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	1		50
Protease 10	ADIIGGLAYTMGGRCSVGFAATNAAGQPGFVTAGHCGRVGTQVTIGNRG		
Protease 18	ADIIGGLAYYMGGRCSVGFAATNSAGQPGFVTAGHCGRVGTQVTIGNGTG		
Protease 11	ADIIGGLAYTMGGRCSVGFAATNAAGQPGFVTAGHCGRVGTQVSIGNQG		
Protease 35	ADIIGGLAYTMGGRCSVGFAATNAAGQPGFVTAGHCGRVGTQVTIGNRG		
Protease 08	ADIIGGLAYTMGGRCSVGFAATNASGQPGFVTAGHCGRVGTQVSIGNQG		
Protease 22	ADIIGGLAYYMGGRCSVGFAATNASGQPGFVTAGHCGRVGTQVSIGNKG		
	51		100
Protease 10	VFEQSVFPGNDAAFVRGTSNFTLTNLVSRYNTGGYATVAGHNQAPIGSSV		
Protease 18	TFQNSVFPGNDAAFVRGTSNFTLTNLVSRYNSGGYQSVTGTQSAPAGSAV		
Protease 11	VFEQSIIFPGNDAAFVRGTSNFTLTNLVSRYNTGGYATVAGHNQAPIGSSV		
Protease 35	VFEQSIIFPGNDAAFVRGTSNFTLTNLVSRYNTGGYATVAGHNQAPIGSSV		
Protease 08	VFERSVFPGNDSAFVRGTSNFTLTNLVSRYNTGGYATVSGSSQAAIGSQI		
Protease 22	VFERSIIFPGNDSAFVRGTSNFTLTNLVSRYNSGGYATVAGHNQAPIGSAV		
	101		150
Protease 10	CRSGSTTGWHCGTIQARGQSVSYPEGTVTNMTRTTVCAEPGDSGGSYISG		
Protease 18	CRSGSTTGWHCGTIQARNQTVRYPQGTVYSLTRTNVCAEPGDSGGSFISG		
Protease 11	CRSGSTTGWHCGTIQARGQSVSYPEGTVTNMTRTTVCAEPGDSGGSYISG		
Protease 35	CRSGSTTGWHCGTIQARGQSVSYPEGTVTNMTRTTVCAEPGDSGGSYISG		
Protease 08	CRSGSTTGWHCGTVQARGQTVSYPPQGTVQNLTRTNVCAEPGDSGGSFISG		
Protease 22	CRSGSTTGWHCGTIQARNQTVRYPQGTVYSLTRTTVCAEPGDSGGSYISG		
	151		188
Protease 10	TQAQGVTSGGSGNCRTGGTFYQEVTPMVNSWGVRLRT		
Protease 18	SQAQGVTSGGSGNCVGTTYYQEVTMINSWGVRLRT		
Protease 11	NQAQGVTSGGSGNCRTGGTFYQEVTPMVNSWGVRLRT		
Protease 35	NQAQGVTSGGSGNCRTGGTFYQEVTPMVNSWGVRLRT		
Protease 08	SQAQGVTSGGSGNCFFGTTYYQEVPMLSSWGLTLRT		
Protease 22	TQAQGVTSGGSGNCAGGTTYYQEVPMLSSWGLTLRT		

Fig. 1

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ATOM	1	N	ALA	1	-18.517	32.531	28.661	1.00	8.90
ATOM	2	CB	ALA	1	-18.802	30.741	30.290	1.00	12.24
ATOM	3	CA	ALA	1	-19.308	31.313	28.965	1.00	10.86
ATOM	4	C	ALA	1	-20.783	31.666	29.080	1.00	12.18
ATOM	5	O	ALA	1	-21.113	32.695	29.712	1.00	12.73
ATOM	6	N	ASP	2	-21.722	30.930	28.510	1.00	12.01
ATOM	7	CA	ASP	2	-23.176	31.225	28.612	1.00	12.07
ATOM	8	C	ASP	2	-23.667	30.604	29.929	1.00	10.24
ATOM	9	O	ASP	2	-23.359	29.410	30.109	1.00	11.30
ATOM	10	CB	ASP	2	-23.995	30.629	27.422	1.00	12.43
ATOM	11	CG	ASP	2	-23.545	31.314	26.129	1.00	16.23
ATOM	12	OD1	ASP	2	-23.300	30.668	25.134	1.00	21.68
ATOM	13	OD2	ASP	2	-23.346	32.527	26.168	1.00	17.64
ATOM	14	N	ILE	3	-24.387	31.321	30.757	1.00	9.80
ATOM	15	CA	ILE	3	-24.850	30.687	32.027	1.00	8.80
ATOM	16	C	ILE	3	-26.252	30.135	31.768	1.00	7.97
ATOM	17	O	ILE	3	-27.160	30.953	31.648	1.00	8.91
ATOM	18	CB	ILE	3	-24.789	31.723	33.207	1.00	7.85
ATOM	19	CG1	ILE	3	-23.378	32.342	33.312	1.00	5.63
ATOM	20	CG2	ILE	3	-25.284	31.096	34.549	1.00	4.75
ATOM	21	CD1	ILE	3	-22.221	31.320	33.579	1.00	5.82
ATOM	22	N	ILE	4	-26.319	28.814	31.563	1.00	7.21
ATOM	23	CD1	ILE	4	-26.578	27.854	27.424	1.00	8.61
ATOM	24	CG1	ILE	4	-27.102	28.463	28.794	1.00	8.70
ATOM	25	CB	ILE	4	-27.272	27.363	29.888	1.00	7.20
ATOM	26	CG2	ILE	4	-28.446	26.419	29.544	1.00	6.35
ATOM	27	CA	ILE	4	-27.569	28.083	31.259	1.00	7.04
ATOM	28	C	ILE	4	-27.799	27.046	32.350	1.00	7.12
ATOM	29	O	ILE	4	-26.841	26.414	32.764	1.00	5.80
ATOM	30	N	GLY	5	-29.017	26.894	32.834	1.00	8.40
ATOM	31	CA	GLY	5	-29.415	25.958	33.863	1.00	5.51
ATOM	32	C	GLY	5	-29.031	24.550	33.483	1.00	6.74
ATOM	33	O	GLY	5	-29.222	24.181	32.306	1.00	8.02
ATOM	34	N	GLY	6	-28.492	23.787	34.436	1.00	5.32
ATOM	35	CA	GLY	6	-28.113	22.385	34.125	1.00	6.51
ATOM	36	C	GLY	6	-26.697	22.143	33.678	1.00	7.67
ATOM	37	O	GLY	6	-26.264	20.957	33.687	1.00	8.08
ATOM	38	N	LEU	7	-25.941	23.127	33.235	1.00	7.02
ATOM	39	CD2	LEU	7	-25.075	23.250	29.859	1.00	15.01
ATOM	40	CD1	LEU	7	-24.009	25.544	29.892	1.00	12.10
ATOM	41	CG	LEU	7	-24.823	24.494	30.662	1.00	11.57
ATOM	42	CB	LEU	7	-24.100	24.149	31.987	1.00	7.81
ATOM	43	CA	LEU	7	-24.543	22.889	32.774	1.00	7.23
ATOM	44	C	LEU	7	-23.543	22.624	33.891	1.00	8.17
ATOM	45	O	LEU	7	-23.779	23.055	35.054	1.00	8.83
ATOM	46	N	ALA	8	-22.450	21.931	33.560	1.00	7.85
ATOM	47	CB	ALA	8	-20.568	20.517	33.998	1.00	7.20
ATOM	48	CA	ALA	8	-21.436	21.658	34.583	1.00	6.67
ATOM	49	C	ALA	8	-20.554	22.867	34.856	1.00	8.14
ATOM	50	O	ALA	8	-20.241	23.793	34.058	1.00	7.62
ATOM	51	N	TYR	9	-20.078	22.906	36.110	1.00	6.90
ATOM	52	CA	TYR	9	-19.074	23.854	36.602	1.00	7.03
ATOM	53	C	TYR	9	-18.138	22.960	37.480	1.00	8.21
ATOM	54	O	TYR	9	-18.560	21.945	38.048	1.00	7.61

Fig. 2

SUBSTITUTE SHEET (RULE 26)

Cont. Fig 2

ATOM	55	CB	TYR	9	-19.474	25.108	37.320	1.00	7.45
ATOM	56	CG	TYR	9	-20.138	24.925	38.664	1.00	9.14
ATOM	57	CD1	TYR	9	-19.401	24.898	39.853	1.00	8.86
ATOM	58	CD2	TYR	9	-21.559	24.818	38.673	1.00	8.66
ATOM	59	CE1	TYR	9	-20.044	24.756	41.062	1.00	7.11
ATOM	60	CE2	TYR	9	-22.214	24.696	39.930	1.00	8.78
ATOM	61	CZ	TYR	9	-21.438	24.673	41.072	1.00	7.41
ATOM	62	OH	TYR	9	-22.115	24.537	42.248	1.00	8.28
ATOM	63	N	THR	10	-16.867	23.367	37.552	1.00	8.23
ATOM	64	CG2	THR	10	-15.380	21.144	36.171	1.00	21.51
ATOM	65	OG1	THR	10	-14.022	22.954	36.816	1.00	17.27
ATOM	66	CB	THR	10	-14.816	21.869	37.398	1.00	15.54
ATOM	67	CA	THR	10	-15.881	22.592	38.334	1.00	12.22
ATOM	68	C	THR	10	-15.190	23.495	39.381	1.00	12.59
ATOM	69	O	THR	10	-15.040	24.724	39.295	1.00	11.83
ATOM	70	N	MET	11	-14.719	22.854	40.422	1.00	13.86
ATOM	71	CE	MET	11	-18.117	21.521	42.992	0.70	10.20
ATOM	72	SD	MET	11	-16.364	21.817	43.260	0.70	13.92
ATOM	73	CG	MET	11	-16.351	23.607	42.742	0.70	8.87
ATOM	74	CB	MET	11	-14.945	24.074	42.557	0.70	13.60
ATOM	79	CA	MET	11	-14.003	23.423	41.576	1.00	14.74
ATOM	80	C	MET	11	-13.204	22.219	42.141	1.00	16.84
ATOM	81	O	MET	11	-13.132	22.126	43.360	1.00	18.29
ATOM	82	N	GLY	12	-12.650	21.380	41.252	1.00	17.41
ATOM	83	CA	GLY	12	-11.931	20.160	41.721	1.00	20.30
ATOM	84	C	GLY	12	-12.961	19.034	41.377	1.00	22.00
ATOM	85	O	GLY	12	-12.730	18.252	40.444	1.00	25.04
ATOM	86	N	GLY	13	-14.079	19.064	42.126	1.00	17.68
ATOM	87	CA	GLY	13	-15.219	18.171	41.900	1.00	15.21
ATOM	88	C	GLY	13	-16.127	18.873	40.846	1.00	15.26
ATOM	89	O	GLY	13	-15.681	19.862	40.228	1.00	14.61
ATOM	90	N	ARG	14	-17.370	18.410	40.657	1.00	12.77
ATOM	91	NH2	ARG	14	-20.479	14.276	37.036	1.00	17.15
ATOM	92	NH1	ARG	14	-21.587	16.075	36.340	1.00	13.21
ATOM	93	CZ	ARG	14	-20.415	15.529	36.584	1.00	16.51
ATOM	94	NE	ARG	14	-19.265	16.236	36.423	1.00	15.10
ATOM	95	CD	ARG	14	-19.240	17.643	36.031	1.00	15.25
ATOM	96	CG	ARG	14	-19.255	18.517	37.291	1.00	14.76
ATOM	97	CB	ARG	14	-18.333	18.056	38.435	1.00	11.53
ATOM	98	CA	ARG	14	-18.269	19.018	39.659	1.00	11.00
ATOM	99	C	ARG	14	-19.665	19.162	40.278	1.00	9.52
ATOM	100	O	ARG	14	-20.027	18.274	41.091	1.00	8.13
ATOM	101	N	CYS	15	-20.368	20.221	39.853	1.00	8.85
ATOM	102	CA	CYS	15	-21.782	20.417	40.285	1.00	6.14
ATOM	103	C	CYS	15	-22.455	21.027	39.084	1.00	6.53
ATOM	104	O	CYS	15	-21.754	21.176	38.036	1.00	8.10
ATOM	105	CB	CYS	15	-21.897	21.271	41.568	1.00	7.27
ATOM	106	SG	CYS	15	-21.795	20.241	43.088	1.00	8.70
ATOM	107	N	SER	16	-23.746	21.368	39.154	1.00	5.13
ATOM	108	CA	SER	16	-24.402	21.936	37.975	1.00	4.73
ATOM	109	C	SER	16	-24.969	23.294	38.269	1.00	6.73
ATOM	110	O	SER	16	-25.331	23.536	39.470	1.00	7.15
ATOM	111	CB	SER	16	-25.540	20.930	37.602	1.00	5.02
ATOM	112	OG	SER	16	-25.031	19.670	37.228	1.00	7.01

Fig. 2
SUBSTITUTE SHEET (RULE 26)

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Cont. Fig 2

ATOM	113	N	VAL	17	-25.177	24.129	37.276	1.00	5.71
ATOM	114	CA	VAL	17	-25.780	25.469	37.450	1.00	6.30
ATOM	115	C	VAL	17	-27.274	25.365	37.742	1.00	6.27
ATOM	116	O	VAL	17	-27.904	24.514	37.084	1.00	6.87
ATOM	117	CB	VAL	17	-25.589	26.211	36.113	1.00	4.80
ATOM	118	CG1	VAL	17	-26.252	27.572	36.079	1.00	2.00
ATOM	119	CG2	VAL	17	-24.108	26.435	35.892	1.00	5.56
ATOM	120	N	GLY	18	-27.836	26.136	38.622	1.00	5.84
ATOM	121	CA	GLY	18	-29.277	26.067	38.899	1.00	4.89
ATOM	122	C	GLY	18	-29.898	27.072	37.958	1.00	7.79
ATOM	123	O	GLY	18	-30.578	26.683	36.960	1.00	8.56
ATOM	124	N	PHE	19	-29.783	28.366	38.175	1.00	6.84
ATOM	125	CA	PHE	19	-30.368	29.391	37.291	1.00	8.35
ATOM	126	C	PHE	19	-29.457	30.625	37.254	1.00	8.67
ATOM	127	O	PHE	19	-28.889	30.984	38.285	1.00	7.20
ATOM	128	CB	PHE	19	-31.761	29.873	37.827	1.00	6.74
ATOM	129	CG	PHE	19	-32.786	28.779	38.033	1.00	8.40
ATOM	130	CD1	PHE	19	-33.490	28.300	36.918	1.00	9.81
ATOM	131	CD2	PHE	19	-32.921	28.194	39.301	1.00	8.27
ATOM	132	CE1	PHE	19	-34.414	27.241	37.060	1.00	7.45
ATOM	133	CE2	PHE	19	-33.804	27.129	39.460	1.00	7.36
ATOM	134	CZ	PHE	19	-34.541	26.662	38.347	1.00	8.66
ATOM	135	N	ALA	20	-29.375	31.284	36.114	1.00	8.32
ATOM	136	CB	ALA	20	-28.552	32.954	34.501	1.00	7.08
ATOM	137	CA	ALA	20	-28.577	32.514	35.976	1.00	6.99
ATOM	138	C	ALA	20	-29.347	33.558	36.793	1.00	8.39
ATOM	139	O	ALA	20	-30.614	33.548	36.744	1.00	6.62
ATOM	140	N	ALA	21	-28.653	34.461	37.453	1.00	6.45
ATOM	141	CB	ALA	21	-29.774	34.943	39.600	1.00	6.04
ATOM	142	CA	ALA	21	-29.305	35.514	38.244	1.00	9.09
ATOM	143	C	ALA	21	-28.267	36.598	38.599	1.00	10.25
ATOM	144	O	ALA	21	-27.048	36.412	38.434	1.00	10.39
ATOM	145	N	THR	22	-28.734	37.704	39.154	1.00	10.87
ATOM	146	CA	THR	22	-27.795	38.747	39.633	1.00	9.81
ATOM	147	C	THR	22	-28.044	38.773	41.139	1.00	12.70
ATOM	148	O	THR	22	-29.153	38.378	41.607	1.00	13.28
ATOM	149	CB	THR	22	-28.009	40.191	39.000	1.00	12.32
ATOM	150	OG1	THR	22	-29.443	40.520	39.201	1.00	17.96
ATOM	151	CG2	THR	22	-27.730	40.314	37.512	1.00	10.22
ATOM	152	N	ASN	23	-27.067	39.261	41.919	1.00	12.56
ATOM	153	ND2	ASN	23	-23.651	39.789	44.187	1.00	14.15
ATOM	154	OD1	ASN	23	-25.034	41.090	43.182	1.00	11.99
ATOM	155	CG	ASN	23	-24.917	40.044	43.825	1.00	13.60
ATOM	156	CB	ASN	23	-26.025	39.065	44.153	1.00	12.41
ATOM	157	CA	ASN	23	-27.308	39.367	43.381	1.00	14.31
ATOM	158	C	ASN	23	-27.947	40.754	43.600	1.00	15.71
ATOM	159	O	ASN	23	-28.252	41.558	42.664	1.00	13.68
ATOM	160	N	ALA	24	-28.043	41.088	44.883	1.00	16.68
ATOM	161	CB	ALA	24	-28.899	42.370	46.862	1.00	19.20
ATOM	162	CA	ALA	24	-28.626	42.344	45.371	1.00	20.06
ATOM	163	C	ALA	24	-27.831	43.543	44.936	1.00	22.43
ATOM	164	O	ALA	24	-28.408	44.658	44.795	1.00	24.93
ATOM	165	N	ALA	25	-26.556	43.412	44.648	1.00	23.59
ATOM	166	CA	ALA	25	-25.727	44.513	44.128	1.00	20.79

Fig. 2
SUBSTITUTE SHEET (RULE 26)

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Cont. Fig 2

ATOM	167	C	ALA	25	-25.765	44.542	42.613	1.00	21.34
ATOM	168	O	ALA	25	-25.018	45.388	42.040	1.00	24.26
ATOM	169	CB	ALA	25	-24.278	44.379	44.584	1.00	24.28'
ATOM	170	N	GLY	26	-26.508	43.687	41.910	1.00	16.97
ATOM	171	CA	GLY	26	-26.453	43.763	40.456	1.00	15.31
ATOM	172	C	GLY	26	-25.320	43.024	39.803	1.00	13.98
ATOM	173	O	GLY	26	-25.158	43.168	38.560	1.00	15.90
ATOM	174	N	GLN	27	-24.594	42.196	40.523	1.00	13.26
ATOM	175	NE2	GLN	27	-19.688	42.607	42.319	1.00	23.84
ATOM	176	OE1	GLN	27	-21.306	41.674	43.669	1.00	19.08
ATOM	177	CD	GLN	27	-20.952	42.234	42.626	1.00	20.42
ATOM	178	CG	GLN	27	-21.934	42.487	41.519	1.00	16.87
ATOM	179	CB	GLN	27	-22.364	41.130	40.909	1.00	13.66
ATOM	180	CA	GLN	27	-23.488	41.430	39.904	1.00	11.98
ATOM	181	C	GLN	27	-24.023	40.113	39.345	1.00	11.67
ATOM	182	O	GLN	27	-24.829	39.428	39.949	1.00	11.63
ATOM	183	N	PRO	28	-23.539	39.714	38.197	1.00	10.36
ATOM	184	CG	PRO	28	-22.111	39.444	36.367	1.00	11.95
ATOM	185	CD	PRO	28	-22.544	40.519	37.403	1.00	10.61
ATOM	186	CB	PRO	28	-23.429	38.692	36.116	1.00	11.06
ATOM	187	CA	PRO	28	-23.977	38.497	37.537	1.00	9.08
ATOM	188	C	PRO	28	-23.418	37.248	38.194	1.00	9.80
ATOM	189	O	PRO	28	-22.278	37.282	38.749	1.00	9.50
ATOM	190	N	GLY	29	-24.245	36.179	38.101	1.00	6.29
ATOM	191	CA	GLY	29	-23.721	34.885	38.671	1.00	4.48
ATOM	192	C	GLY	29	-24.827	33.875	38.440	1.00	6.36
ATOM	193	O	GLY	29	-25.604	34.036	37.454	1.00	7.58
ATOM	194	N	PHE	30	-24.889	32.917	39.339	1.00	7.28
ATOM	195	CA	PHE	30	-25.971	31.891	39.292	1.00	7.77
ATOM	196	C	PHE	30	-26.232	31.306	40.703	1.00	6.83
ATOM	197	O	PHE	30	-25.281	31.334	41.532	1.00	8.49
ATOM	198	CB	PHE	30	-25.653	30.741	38.312	1.00	3.78
ATOM	199	CG	PHE	30	-24.384	29.955	38.483	1.00	5.51
ATOM	200	CD1	PHE	30	-24.299	28.836	39.311	1.00	5.54
ATOM	201	CD2	PHE	30	-23.251	30.336	37.752	1.00	8.26
ATOM	202	CE1	PHE	30	-23.126	28.108	39.451	1.00	8.21
ATOM	203	CE2	PHE	30	-21.996	29.661	37.898	1.00	6.20
ATOM	204	CZ	PHE	30	-21.971	28.509	38.739	1.00	7.61
ATOM	205	N	VAL	31	-27.413	30.739	40.862	1.00	4.85
ATOM	206	CA	VAL	31	-27.751	30.017	42.118	1.00	6.26
ATOM	207	C	VAL	31	-27.445	28.530	41.828	1.00	6.68
ATOM	208	O	VAL	31	-27.515	28.036	40.680	1.00	4.79
ATOM	209	CB	VAL	31	-29.141	30.296	42.666	1.00	7.03
ATOM	210	CG1	VAL	31	-29.230	31.765	43.136	1.00	11.46
ATOM	211	CG2	VAL	31	-30.190	29.902	41.646	1.00	8.54
ATOM	212	N	THR	32	-27.150	27.786	42.910	1.00	5.51
ATOM	213	CA	THR	32	-26.762	26.373	42.892	1.00	7.30
ATOM	214	C	THR	32	-26.833	25.866	44.356	1.00	8.85
ATOM	215	O	THR	32	-27.382	26.568	45.240	1.00	6.58
ATOM	216	CB	THR	32	-25.318	26.271	42.249	1.00	6.85
ATOM	217	OG1	THR	32	-24.927	24.904	42.030	1.00	6.22
ATOM	218	CG2	THR	32	-24.141	26.895	43.109	1.00	4.90
ATOM	219	N	ALA	33	-26.318	24.676	44.619	1.00	8.92
ATOM	220	CA	ALA	33	-26.313	24.007	45.928	1.00	9.53

Fig. 2
SUBSTITUTE SHEET (RULE 26)

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Cont. Fig 2

ATOM	221	C	ALA	33	-25.158	24.465	46.827	1.00	9.16
ATOM	222	O	ALA	33	-24.007	24.503	46.369	1.00	8.53
ATOM	223	CB	ALA	33	-26.294	22.473	45.773	1.00	7.77
ATOM	224	N	GLY	34	-25.408	24.724	48.076	1.00	7.16
ATOM	225	CA	GLY	34	-24.348	25.143	49.024	1.00	8.05
ATOM	226	C	GLY	34	-23.390	24.043	49.347	1.00	7.39
ATOM	227	O	GLY	34	-22.194	24.315	49.698	1.00	8.30
ATOM	228	N	HIS	35	-23.788	22.780	49.271	1.00	7.52
ATOM	229	CA	HIS	35	-22.821	21.714	49.636	1.00	6.58
ATOM	230	C	HIS	35	-21.744	21.601	48.560	1.00	8.95
ATOM	231	O	HIS	35	-20.702	20.945	48.747	1.00	8.96
ATOM	232	CB	HIS	35	-23.497	20.364	49.883	1.00	8.85
ATOM	233	CG	HIS	35	-23.991	19.599	48.686	1.00	6.87
ATOM	234	ND1	HIS	35	-25.305	19.481	48.321	1.00	8.56
ATOM	235	CD2	HIS	35	-23.326	18.872	47.769	1.00	5.55
ATOM	236	CE1	HIS	35	-25.414	18.744	47.228	1.00	7.54
ATOM	237	NE2	HIS	35	-24.217	18.313	46.906	1.00	8.64
ATOM	238	N	CYS	36	-21.930	22.183	47.376	1.00	8.15
ATOM	239	CA	CYS	36	-20.940	22.145	46.312	1.00	8.05
ATOM	240	C	CYS	36	-19.746	23.062	46.679	1.00	11.13
ATOM	241	O	CYS	36	-18.715	22.841	45.999	1.00	10.34
ATOM	242	CB	CYS	36	-21.518	22.598	44.977	1.00	5.97
ATOM	243	SG	CYS	36	-22.774	21.389	44.403	1.00	9.16
ATOM	244	N	GLY	37	-19.855	24.012	47.601	1.00	9.60
ATOM	245	CA	GLY	37	-18.632	24.821	47.862	1.00	8.52
ATOM	246	C	GLY	37	-18.853	25.793	48.998	1.00	11.72
ATOM	247	O	GLY	37	-19.923	26.350	49.153	1.00	12.57
ATOM	248	N	ARG	38	-17.807	26.044	49.767	1.00	9.44
ATOM	249	NH2	ARG	38	-13.066	27.478	54.730	0.00	41.69
ATOM	250	NH1	ARG	38	-14.258	25.862	55.765	0.00	42.03
ATOM	251	CZ	ARG	38	-13.968	26.494	54.619	0.00	41.38
ATOM	252	NE	ARG	38	-14.559	26.142	53.467	0.00	39.87
ATOM	253	CD	ARG	38	-15.763	25.165	53.320	0.00	37.50
ATOM	254	CG	ARG	38	-17.064	25.666	52.814	1.00	23.13
ATOM	255	CB	ARG	38	-16.602	26.727	51.799	1.00	14.90
ATOM	256	CA	ARG	38	-17.812	27.040	50.845	1.00	12.65
ATOM	257	C	ARG	38	-17.566	28.415	50.239	1.00	11.84
ATOM	258	O	ARG	38	-16.987	28.562	49.137	1.00	10.80
ATOM	259	N	VAL	39	-17.953	29.488	50.953	1.00	12.22
ATOM	260	CA	VAL	39	-17.723	30.881	50.483	1.00	11.55
ATOM	261	C	VAL	39	-16.224	31.002	50.149	1.00	11.46
ATOM	262	O	VAL	39	-15.406	30.540	50.944	1.00	12.65
ATOM	263	CB	VAL	39	-18.195	31.902	51.513	1.00	14.37
ATOM	264	CG1	VAL	39	-17.541	33.262	51.282	1.00	18.26
ATOM	265	CG2	VAL	39	-19.720	32.035	51.617	1.00	19.01
ATOM	266	N	GLY	40	-15.853	31.595	49.017	1.00	10.59
ATOM	267	CA	GLY	40	-14.467	31.715	48.658	1.00	9.21
ATOM	268	C	GLY	40	-13.962	30.690	47.689	1.00	11.61
ATOM	269	O	GLY	40	-12.904	30.954	47.066	1.00	13.99
ATOM	270	N	THR	41	-14.603	29.592	47.441	1.00	10.26
ATOM	271	CG2	THR	41	-14.886	26.180	45.550	1.00	8.90
ATOM	272	OG1	THR	41	-15.058	26.792	47.930	1.00	14.49
ATOM	273	CB	THR	41	-15.123	27.285	46.571	1.00	12.41
ATOM	274	CA	THR	41	-14.199	28.566	46.525	1.00	9.98

Fig. 2
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Cont. Fig 2

ATOM	275	C	THR	41	-14.360	29.148	45.121	1.00	11.13
ATOM	276	O	THR	41	-15.404	29.657	44.713	1.00	10.17
ATOM	277	N	GLN	42	-13.297	28.983	44.365	1.00	12.36
ATOM	278	NE2	GLN	42	-11.317	32.840	43.178	0.70	32.68
ATOM	279	OE1	GLN	42	-9.407	31.714	42.552	0.70	35.48
ATOM	280	CD	GLN	42	-10.512	31.791	43.080	0.70	30.29
ATOM	281	CG	GLN	42	-11.132	30.558	43.680	0.70	24.69
ATOM	282	CB	GLN	42	-11.801	29.729	42.592	0.70	18.80
ATOM	288	CA	GLN	42	-13.263	29.456	42.977	1.00	11.77
ATOM	289	C	GLN	42	-13.852	28.392	42.063	1.00	13.86
ATOM	290	O	GLN	42	-13.615	27.187	42.330	1.00	12.07
ATOM	291	N	VAL	43	-14.544	28.817	41.002	1.00	13.96
ATOM	292	CG2	VAL	43	-17.397	28.751	39.309	1.00	15.91
ATOM	293	CG1	VAL	43	-17.192	27.656	41.542	1.00	10.29
ATOM	294	CB	VAL	43	-16.657	27.731	40.117	1.00	14.08
ATOM	295	CA	VAL	43	-15.132	27.886	40.018	1.00	11.05
ATOM	296	C	VAL	43	-14.717	28.297	38.584	1.00	10.70
ATOM	297	O	VAL	43	-14.393	29.467	38.214	1.00	8.75
ATOM	298	N	THR	44	-14.726	27.266	37.757	1.00	8.19
ATOM	299	CG2	THR	44	-13.085	26.655	34.277	1.00	16.80
ATOM	300	OG1	THR	44	-12.054	27.080	36.423	1.00	14.72
ATOM	301	CB	THR	44	-13.232	26.536	35.773	1.00	7.96
ATOM	302	CA	THR	44	-14.459	27.387	36.328	1.00	8.95
ATOM	303	C	THR	44	-15.708	26.877	35.588	1.00	10.78
ATOM	304	O	THR	44	-16.155	25.743	35.947	1.00	9.00
ATOM	305	N	ILE	45	-16.219	27.660	34.626	1.00	10.77
ATOM	306	CA	ILE	45	-17.352	27.175	33.850	1.00	11.78
ATOM	307	C	ILE	45	-16.950	27.476	32.396	1.00	10.56
ATOM	308	O	ILE	45	-16.976	28.673	32.030	1.00	10.62
ATOM	309	CB	ILE	45	-18.743	27.767	34.312	1.00	8.73
ATOM	310	CG1	ILE	45	-19.767	27.359	33.217	1.00	14.25
ATOM	311	CG2	ILE	45	-18.635	29.300	34.483	1.00	14.91
ATOM	312	CD1	ILE	45	-21.239	27.351	33.717	1.00	17.74
ATOM	313	N	GLY	46	-16.588	26.493	31.623	1.00	11.49
ATOM	314	CA	GLY	46	-16.162	26.796	30.214	1.00	13.72
ATOM	315	C	GLY	46	-15.009	27.812	30.282	1.00	12.34
ATOM	316	O	GLY	46	-14.011	27.661	31.002	1.00	14.15
ATOM	317	N	ASN	47	-15.134	28.895	29.512	1.00	13.14
ATOM	318	ND2	ASN	47	-15.075	31.342	26.221	1.00	26.89
ATOM	319	OD1	ASN	47	-16.257	31.266	28.086	1.00	18.12
ATOM	320	CG	ASN	47	-15.180	31.045	27.520	1.00	19.67
ATOM	321	CB	ASN	47	-13.914	30.476	28.081	1.00	17.20
ATOM	322	CA	ASN	47	-14.106	29.967	29.522	1.00	14.86
ATOM	323	C	ASN	47	-14.409	31.129	30.484	1.00	14.20
ATOM	324	O	ASN	47	-13.929	32.264	30.367	1.00	16.69
ATOM	325	N	GLY	48	-15.234	30.900	31.476	1.00	11.79
ATOM	326	CA	GLY	48	-15.629	31.860	32.487	1.00	10.60
ATOM	327	C	GLY	48	-15.114	31.350	33.840	1.00	8.68
ATOM	328	O	GLY	48	-14.741	30.180	34.021	1.00	8.85
ATOM	329	N	ARG	49	-15.067	32.286	34.782	1.00	8.71
ATOM	330	NH2	ARG	49	-10.753	29.684	38.714	0.00	43.61
ATOM	331	NH1	ARG	49	-9.430	30.717	37.086	0.00	39.51
ATOM	332	CZ	ARG	49	-10.647	30.223	37.466	0.00	42.12
ATOM	333	NE	ARG	49	-11.803	30.174	36.714	0.00	38.98

Fig. 2
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Cont. Fig 2

ATOM	334	CD	ARG	49	-11.625	30.774	35.625	1.00	24.44
ATOM	335	CG	ARG	49	-12.079	32.161	35.395	1.00	20.17
ATOM	336	CB	ARG	49	-13.190	32.537	36.355	1.00	13.15
ATOM	337	CA	ARG	49	-14.600	31.985	36.143	1.00	8.87
ATOM	338	C	ARG	49	-15.485	32.746	37.136	1.00	9.56
ATOM	339	O	ARG	49	-16.026	33.814	36.747	1.00	10.73
ATOM	340	N	GLY	50	-15.644	32.236	38.337	1.00	10.04
ATOM	341	CA	GLY	50	-16.416	32.933	39.372	1.00	6.68
ATOM	342	C	GLY	50	-15.985	32.438	40.758	1.00	7.46
ATOM	343	O	GLY	50	-15.035	31.654	40.838	1.00	8.57
ATOM	344	N	VAL	51	-16.755	32.885	41.756	1.00	9.13
ATOM	345	CG2	VAL	51	-15.047	33.181	45.219	1.00	9.31
ATOM	346	CG1	VAL	51	-16.041	34.936	43.760	1.00	9.54
ATOM	347	CB	VAL	51	-15.469	33.510	43.768	1.00	10.40
ATOM	348	CA	VAL	51	-16.439	32.474	43.145	1.00	8.97
ATOM	349	C	VAL	51	-17.739	32.363	43.951	1.00	8.46
ATOM	350	O	VAL	51	-18.657	33.166	43.726	1.00	8.01
ATOM	351	N	PHE	52	-17.778	31.394	44.846	1.00	7.71
ATOM	352	CD2	PHE	52	-20.510	28.198	46.287	1.00	7.34
ATOM	353	CE2	PHE	52	-20.952	27.038	45.614	1.00	12.48
ATOM	354	CZ	PHE	52	-20.103	26.415	44.672	1.00	11.92
ATOM	355	CE1	PHE	52	-18.857	26.983	44.355	1.00	8.56
ATOM	356	CD1	PHE	52	-18.454	28.151	45.012	1.00	7.30
ATOM	357	CG	PHE	52	-19.269	28.765	45.964	1.00	10.46
ATOM	358	CB	PHE	52	-18.820	30.015	46.703	1.00	9.22
ATOM	359	CA	PHE	52	-18.916	31.237	45.766	1.00	9.28
ATOM	360	C	PHE	52	-18.928	32.498	46.637	1.00	10.41
ATOM	361	O	PHE	52	-17.979	32.752	47.403	1.00	10.33
ATOM	362	N	GLU	53	-20.038	33.239	46.481	1.00	8.81
ATOM	363	OE2	GLU	53	-22.012	37.756	45.426	1.00	27.06
ATOM	364	OE1	GLU	53	-21.229	39.265	46.722	1.00	33.78
ATOM	365	CD	GLU	53	-21.338	38.087	46.413	1.00	28.63
ATOM	366	CG	GLU	53	-20.701	36.961	47.162	1.00	15.08
ATOM	367	CB	GLU	53	-20.818	35.612	46.441	1.00	10.91
ATOM	368	CA	GLU	53	-20.172	34.475	47.239	1.00	10.55
ATOM	369	C	GLU	53	-21.035	34.208	48.485	1.00	13.01
ATOM	370	O	GLU	53	-20.664	34.743	49.558	1.00	11.89
ATOM	371	N	GLN	54	-22.095	33.444	48.352	1.00	9.12
ATOM	372	NE2	GLN	54	-26.256	36.329	49.251	1.00	43.84
ATOM	373	OE1	GLN	54	-25.933	35.594	51.419	1.00	46.53
ATOM	374	CD	GLN	54	-25.586	35.741	50.241	1.00	40.72
ATOM	375	CG	GLN	54	-24.256	35.205	49.756	1.00	29.81
ATOM	376	CB	GLN	54	-24.346	33.707	49.555	1.00	17.82
ATOM	377	CA	GLN	54	-22.955	33.105	49.508	1.00	10.81
ATOM	378	C	GLN	54	-23.164	31.600	49.527	1.00	12.82
ATOM	379	O	GLN	54	-23.418	31.101	48.410	1.00	13.75
ATOM	380	N	SER	55	-23.074	30.926	50.665	1.00	10.56
ATOM	381	OG	SER	55	-22.169	27.372	50.204	1.00	14.02
ATOM	382	CB	SER	55	-21.995	28.781	50.228	1.00	9.88
ATOM	383	CA	SER	55	-23.280	29.470	50.637	1.00	11.20
ATOM	384	C	SER	55	-23.730	28.998	52.014	1.00	12.70
ATOM	385	O	SER	55	-23.084	29.298	53.011	1.00	11.84
ATOM	386	N	VAL	56	-24.824	28.274	52.086	1.00	11.38
ATOM	387	CA	VAL	56	-25.345	27.735	53.342	1.00	9.56

Fig. 2
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Cont. Fig 2

ATOM	388	C	VAL	56	-25.516	26.223	53.218	1.00	11.47
ATOM	389	O	VAL	56	-26.250	25.756	52.302	1.00	10.80
ATOM	390	CB	VAL	56	-26.691	28.365	53.715	1.00	12.57
ATOM	391	CG1	VAL	56	-27.250	27.561	54.895	1.00	13.65
ATOM	392	CG2	VAL	56	-26.542	29.809	54.111	1.00	14.61
ATOM	393	N	PHE	57	-24.903	25.475	54.116	1.00	9.44
ATOM	394	CA	PHE	57	-25.035	24.030	54.173	1.00	10.86
ATOM	395	C	PHE	57	-24.351	23.597	55.503	1.00	12.68
ATOM	396	O	PHE	57	-23.200	24.057	55.632	1.00	14.31
ATOM	397	CB	PHE	57	-24.383	23.289	52.962	1.00	9.20
ATOM	398	CG	PHE	57	-24.530	21.797	53.071	1.00	7.41
ATOM	399	CD1	PHE	57	-23.489	20.999	53.547	1.00	10.87
ATOM	400	CD2	PHE	57	-25.748	21.211	52.762	1.00	10.76
ATOM	401	CE1	PHE	57	-23.654	19.621	53.690	1.00	16.75
ATOM	402	CE2	PHE	57	-25.948	19.851	52.869	1.00	9.80
ATOM	403	CZ	PHE	57	-24.897	19.033	53.326	1.00	17.07
ATOM	404	N	PRO	58	-24.888	22.759	56.355	1.00	11.76
ATOM	405	CA	PRO	58	-26.182	22.082	56.294	1.00	11.15
ATOM	406	C	PRO	58	-27.302	22.967	56.755	1.00	9.63
ATOM	407	O	PRO	58	-27.072	24.207	56.657	1.00	10.82
ATOM	408	CB	PRO	58	-25.955	20.768	57.043	1.00	11.03
ATOM	409	CG	PRO	58	-24.947	21.178	58.078	1.00	12.71
ATOM	410	CD	PRO	58	-24.125	22.322	57.531	1.00	12.73
ATOM	411	N	GLY	59	-28.466	22.432	57.103	1.00	10.97
ATOM	412	CA	GLY	59	-29.594	23.338	57.495	1.00	11.26
ATOM	413	C	GLY	59	-30.330	23.680	56.200	1.00	10.98
ATOM	414	O	GLY	59	-31.477	23.240	56.091	1.00	11.30
ATOM	415	N	ASN	60	-29.767	24.482	55.291	1.00	10.66
ATOM	416	CA	ASN	60	-30.400	24.729	53.962	1.00	8.17
ATOM	417	C	ASN	60	-29.377	24.099	52.981	1.00	9.56
ATOM	418	O	ASN	60	-28.346	23.532	53.474	1.00	8.76
ATOM	419	CB	ASN	60	-30.598	26.175	53.595	1.00	9.50
ATOM	420	CG	ASN	60	-31.369	26.934	54.664	1.00	12.19
ATOM	421	OD1	ASN	60	-30.872	27.984	55.082	1.00	16.81
ATOM	422	ND2	ASN	60	-32.478	26.340	55.060	1.00	15.11
ATOM	423	N	ASP	61	-29.582	24.193	51.661	1.00	7.15
ATOM	424	CA	ASP	61	-28.544	23.661	50.701	1.00	7.83
ATOM	425	C	ASP	61	-28.598	24.692	49.547	1.00	8.69
ATOM	426	O	ASP	61	-29.213	24.393	48.519	1.00	7.71
ATOM	427	CB	ASP	61	-28.818	22.216	50.313	1.00	4.48
ATOM	428	CG	ASP	61	-27.637	21.575	49.640	1.00	6.18
ATOM	429	OD1	ASP	61	-27.591	20.419	49.245	1.00	6.86
ATOM	430	OD2	ASP	61	-26.622	22.316	49.431	1.00	8.20
ATOM	431	N	ALA	62	-28.041	25.868	49.751	1.00	7.72
ATOM	432	CB	ALA	62	-29.258	27.857	49.385	1.00	8.64
ATOM	433	CA	ALA	62	-28.134	26.967	48.775	1.00	8.98
ATOM	434	C	ALA	62	-26.880	27.802	48.618	1.00	9.19
ATOM	435	O	ALA	62	-26.114	27.939	49.618	1.00	10.25
ATOM	436	N	ALA	63	-26.667	28.360	47.434	1.00	7.69
ATOM	437	CA	ALA	63	-25.476	29.189	47.173	1.00	7.50
ATOM	438	C	ALA	63	-25.668	30.110	45.987	1.00	7.33
ATOM	439	O	ALA	63	-26.526	29.843	45.116	1.00	6.36
ATOM	440	CB	ALA	63	-24.247	28.263	46.886	1.00	4.57
ATOM	441	N	PHE	64	-24.889	31.172	45.985	1.00	8.23

Fig. 2
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Cont. Fig 2

ATOM	442	CD2	PHE	64	-24.221	35.364	43.942	1.00	6.73
ATOM	443	CE2	PHE	64	-24.051	36.237	42.841	1.00	7.23
ATOM	444	CZ	PHE	64	-25.063	36.205	41.842	1.00	6.08
ATOM	445	CE1	PHE	64	-26.166	35.352	41.959	1.00	10.30
ATOM	446	CD1	PHE	64	-26.263	34.453	43.038	1.00	10.04
ATOM	447	CG	PHE	64	-25.287	34.477	44.027	1.00	6.69
ATOM	448	CB	PHE	64	-25.415	33.537	45.240	1.00	6.42
ATOM	449	CA	PHE	64	-24.840	32.152	44.922	1.00	7.87
ATOM	450	C	PHE	64	-23.351	32.196	44.518	1.00	10.06
ATOM	451	O	PHE	64	-22.454	32.478	45.362	1.00	10.39
ATOM	452	N	VAL	65	-23.080	31.952	43.234	1.00	8.61
ATOM	453	CA	VAL	65	-21.722	32.028	42.662	1.00	8.62
ATOM	454	C	VAL	65	-21.686	33.327	41.831	1.00	8.89
ATOM	455	O	VAL	65	-22.514	33.548	40.948	1.00	7.44
ATOM	456	CB	VAL	65	-21.338	30.840	41.722	1.00	11.34
ATOM	457	CG1	VAL	65	-20.018	31.055	40.967	1.00	10.37
ATOM	458	CG2	VAL	65	-21.333	29.530	42.493	1.00	9.94
ATOM	459	N	ARG	66	-20.744	34.213	42.094	1.00	6.55
ATOM	460	NH2	ARG	66	-16.111	39.098	43.470	1.00	18.29
ATOM	461	NH1	ARG	66	-17.309	39.979	41.747	1.00	18.67
ATOM	462	CZ	ARG	66	-17.271	39.260	42.832	1.00	18.74
ATOM	463	NE	ARG	66	-18.308	38.673	43.409	1.00	22.97
ATOM	464	CD	ARG	66	-19.672	38.751	42.950	1.00	23.13
ATOM	465	CG	ARG	66	-19.916	37.827	41.797	1.00	18.33
ATOM	466	CB	ARG	66	-19.949	36.464	42.422	1.00	12.11
ATOM	467	CA	ARG	66	-20.545	35.475	41.416	1.00	8.00
ATOM	468	C	ARG	66	-19.501	35.310	40.305	1.00	7.85
ATOM	469	O	ARG	66	-18.447	34.738	40.557	1.00	8.51
ATOM	470	N	GLY	67	-19.828	35.857	39.132	1.00	8.23
ATOM	471	CA	GLY	67	-18.921	35.779	37.962	1.00	3.28
ATOM	472	C	GLY	67	-17.838	36.834	38.114	1.00	7.11
ATOM	473	O	GLY	67	-18.123	38.019	38.332	1.00	9.23
ATOM	474	N	THR	68	-16.585	36.418	37.933	1.00	6.19
ATOM	475	CA	THR	68	-15.407	37.292	37.994	1.00	6.13
ATOM	476	C	THR	68	-14.784	37.468	36.611	1.00	10.55
ATOM	477	O	THR	68	-13.939	38.358	36.375	1.00	9.20
ATOM	478	CB	THR	68	-14.366	36.832	39.071	1.00	13.02
ATOM	479	OG1	THR	68	-13.865	35.569	38.579	1.00	9.29
ATOM	480	CG2	THR	68	-14.870	36.773	40.522	1.00	11.87
ATOM	481	N	SER	69	-15.205	36.672	35.618	1.00	12.02
ATOM	482	CA	SER	69	-14.736	36.796	34.233	1.00	11.62
ATOM	483	C	SER	69	-15.660	36.069	33.264	1.00	12.37
ATOM	484	O	SER	69	-15.911	34.865	33.480	1.00	11.23
ATOM	485	CB	SER	69	-13.337	36.184	34.027	1.00	12.32
ATOM	486	OG	SER	69	-12.823	36.389	32.763	1.00	15.07
ATOM	487	N	ASN	70	-16.100	36.767	32.236	1.00	12.58
ATOM	488	ND2	ASN	70	-16.685	36.201	28.330	1.00	20.03
ATOM	489	OD1	ASN	70	-15.425	34.370	28.194	1.00	19.07
ATOM	490	CG	ASN	70	-15.954	35.243	28.878	1.00	14.54
ATOM	491	CB	ASN	70	-15.848	35.335	30.379	1.00	8.27
ATOM	492	CA	ASN	70	-16.894	36.195	31.131	1.00	11.17
ATOM	493	C	ASN	70	-18.166	35.424	31.400	1.00	10.53
ATOM	494	O	ASN	70	-18.343	34.319	30.817	1.00	14.17
ATOM	495	N	PHE	71	-19.048	35.946	32.209	1.00	8.98

Fig. 2
SUBSTITUTE SHEET (RULE 26)

Cont. Fig 2

ATOM	496	CD2	PHE	71	-21.139	34.054	36.002	1.00	5.72
ATOM	497	CE2	PHE	71	-20.735	33.063	36.900	1.00	7.44
ATOM	498	CZ	PHE	71	-19.483	32.395	36.669	1.00	10.35
ATOM	499	CE1	PHE	71	-18.713	32.681	35.550	1.00	10.41
ATOM	500	CD1	PHE	71	-19.159	33.681	34.652	1.00	9.67
ATOM	501	CG	PHE	71	-20.350	34.372	34.873	1.00	5.76
ATOM	502	CB	PHE	71	-20.839	35.417	33.897	1.00	7.11
ATOM	503	CA	PHE	71	-20.346	35.257	32.435	1.00	10.26
ATOM	504	C	PHE	71	-21.337	35.958	31.503	1.00	11.61
ATOM	505	O	PHE	71	-21.429	37.207	31.537	1.00	14.68
ATOM	506	N	THR	72	-22.071	35.275	30.691	1.00	11.03
ATOM	507	CA	THR	72	-23.133	35.902	29.860	1.00	9.26
ATOM	508	C	THR	72	-24.405	35.261	30.425	1.00	9.51
ATOM	509	O	THR	72	-24.562	34.027	30.269	1.00	11.35
ATOM	510	CB	THR	72	-23.036	35.596	28.328	1.00	15.61
ATOM	511	OG1	THR	72	-21.768	36.189	27.928	1.00	15.86
ATOM	512	CG2	THR	72	-24.177	36.178	27.494	1.00	14.54
ATOM	513	N	LEU	73	-25.282	36.028	31.020	1.00	11.12
ATOM	514	CA	LEU	73	-26.502	35.479	31.608	1.00	9.31
ATOM	515	C	LEU	73	-27.504	35.184	30.484	1.00	9.04
ATOM	516	O	LEU	73	-27.563	35.896	29.460	1.00	8.44
ATOM	517	CB	LEU	73	-27.046	36.412	32.687	1.00	8.84
ATOM	518	CG	LEU	73	-26.215	36.869	33.883	1.00	13.85
ATOM	519	CD1	LEU	73	-27.074	37.521	34.968	1.00	12.85
ATOM	520	CD2	LEU	73	-25.471	35.702	34.530	1.00	9.85
ATOM	521	N	THR	74	-28.295	34.161	30.737	1.00	7.42
ATOM	522	CG2	THR	74	-27.696	32.554	28.200	1.00	3.40
ATOM	523	OG1	THR	74	-29.174	31.283	29.642	1.00	9.42
ATOM	524	CB	THR	74	-29.063	32.532	28.922	1.00	7.73
ATOM	525	CA	THR	74	-29.389	33.735	29.859	1.00	7.40
ATOM	526	C	THR	74	-30.600	33.347	30.732	1.00	10.05
ATOM	527	O	THR	74	-30.473	33.184	31.959	1.00	7.44
ATOM	528	N	ASN	75	-31.775	33.201	30.069	1.00	8.53
ATOM	529	ND2	ASN	75	-36.021	33.747	28.974	1.00	14.07
ATOM	530	OD1	ASN	75	-33.929	33.279	28.252	1.00	14.16
ATOM	531	CG	ASN	75	-34.723	33.526	29.157	1.00	15.69
ATOM	532	CB	ASN	75	-34.178	33.518	30.570	1.00	11.17
ATOM	533	CA	ASN	75	-32.924	32.729	30.849	1.00	9.39
ATOM	534	C	ASN	75	-33.156	31.252	30.465	1.00	10.95
ATOM	535	O	ASN	75	-34.322	30.835	30.620	1.00	13.03
ATOM	536	N	LEU	76	-32.177	30.516	29.993	1.00	7.99
ATOM	537	CD2	LEU	76	-32.993	29.592	26.412	1.00	11.04
ATOM	538	CD1	LEU	76	-30.530	29.917	26.112	1.00	13.41
ATOM	539	CG	LEU	76	-31.687	29.987	27.082	1.00	11.12
ATOM	540	CB	LEU	76	-31.416	29.013	28.250	1.00	10.63
ATOM	541	CA	LEU	76	-32.315	29.158	29.530	1.00	8.79
ATOM	542	C	LEU	76	-31.876	28.059	30.512	1.00	8.97
ATOM	543	O	LEU	76	-31.038	28.290	31.385	1.00	6.01
ATOM	544	N	VAL	77	-32.529	26.936	30.323	1.00	8.54
ATOM	545	CA	VAL	77	-32.285	25.689	31.062	1.00	8.05
ATOM	546	C	VAL	77	-32.125	24.578	29.973	1.00	9.00
ATOM	547	O	VAL	77	-33.126	24.380	29.178	1.00	6.78
ATOM	548	CB	VAL	77	-33.397	25.290	32.052	1.00	8.09
ATOM	549	CG1	VAL	77	-33.049	23.911	32.715	1.00	5.84

Fig. 2
SUBSTITUTE SHEET (RULE 26)

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Cont. Fig 2

ATOM	550	CG2	VAL	77	-33.575	26.350	33.142	1.00	10.07
ATOM	551	N	SER	78	-31.017	23.871	29.974	1.00	8.67
ATOM	552	OG	SER	78	-29.161	21.344	27.899	1.00	9.85
ATOM	553	CB	SER	78	-29.355	22.409	28.857	1.00	12.29
ATOM	554	CA	SER	78	-30.831	22.814	28.929	1.00	8.23
ATOM	555	C	SER	78	-31.710	21.583	29.189	1.00	9.82
ATOM	556	O	SER	78	-31.759	21.055	30.305	1.00	7.69
ATOM	557	N	ARG	79	-32.337	21.082	28.116	1.00	9.80
ATOM	558	NH2	ARG	79	-37.443	22.028	24.212	1.00	31.34
ATOM	559	NH1	ARG	79	-38.500	22.780	26.184	1.00	27.56
ATOM	560	CZ	ARG	79	-37.601	21.991	25.554	1.00	28.07
ATOM	561	NE	ARG	79	-36.785	21.131	26.161	1.00	21.89
ATOM	562	CD	ARG	79	-36.718	20.936	27.589	1.00	18.78
ATOM	563	CG	ARG	79	-35.265	21.118	27.992	1.00	9.14
ATOM	564	CB	ARG	79	-34.499	19.957	27.396	1.00	7.07
ATOM	565	CA	ARG	79	-33.163	19.879	28.166	1.00	10.01
ATOM	566	C	ARG	79	-32.272	18.740	27.659	1.00	11.09
ATOM	567	O	ARG	79	-32.799	17.622	27.476	1.00	11.76
ATOM	568	N	TYR	80	-30.980	18.901	27.456	1.00	10.89
ATOM	569	OH	TYR	80	-25.669	19.608	31.411	1.00	13.70
ATOM	570	CD2	TYR	80	-28.969	18.626	30.175	1.00	8.55
ATOM	571	CE2	TYR	80	-28.018	19.277	30.962	1.00	9.07
ATOM	572	CZ	TYR	80	-26.667	19.006	30.683	1.00	13.15
ATOM	573	CE1	TYR	80	-26.290	18.103	29.673	1.00	13.12
ATOM	574	CD1	TYR	80	-27.305	17.481	28.921	1.00	12.00
ATOM	575	CG	TYR	80	-28.646	17.742	29.153	1.00	10.87
ATOM	576	CB	TYR	80	-29.686	17.010	28.331	1.00	11.71
ATOM	577	CA	TYR	80	-30.100	17.809	27.036	1.00	13.19
ATOM	578	C	TYR	80	-30.669	16.889	25.939	1.00	15.57
ATOM	579	O	TYR	80	-31.074	17.414	24.848	1.00	16.53
ATOM	580	N	ASN	81	-30.732	15.583	26.157	1.00	15.67
ATOM	581	ND2	ASN	81	-30.251	12.075	23.672	0.50	23.42
ATOM	582	OD1	ASN	81	-31.653	10.851	24.930	0.50	22.68
ATOM	583	CG	ASN	81	-31.012	11.924	24.769	0.50	24.69
ATOM	584	CB	ASN	81	-30.915	13.117	25.699	0.50	20.33
ATOM	589	CA	ASN	81	-31.169	14.536	25.163	1.00	17.67
ATOM	590	C	ASN	81	-32.611	14.689	24.807	1.00	18.70
ATOM	591	O	ASN	81	-33.067	14.207	23.731	1.00	20.41
ATOM	592	N	THR	82	-33.405	15.385	25.621	1.00	15.25
ATOM	593	CG2	THR	82	-36.933	16.845	26.136	1.00	15.50
ATOM	594	OG1	THR	82	-35.944	14.838	27.235	1.00	15.80
ATOM	595	CB	THR	82	-35.663	16.070	26.495	1.00	13.76
ATOM	596	CA	THR	82	-34.787	15.661	25.275	1.00	16.61
ATOM	597	C	THR	82	-34.775	16.712	24.128	1.00	19.57
ATOM	598	O	THR	82	-35.725	16.765	23.314	1.00	20.18
ATOM	599	N	GLY	83	-33.765	17.555	23.973	1.00	17.44
ATOM	600	CA	GLY	83	-33.611	18.551	22.941	1.00	16.21
ATOM	601	C	GLY	83	-34.082	19.964	23.286	1.00	12.64
ATOM	602	O	GLY	83	-35.127	20.225	23.908	1.00	12.83
ATOM	603	N	GLY	84	-33.281	20.926	22.859	1.00	11.84
ATOM	604	CA	GLY	84	-33.604	22.331	23.082	1.00	11.09
ATOM	605	C	GLY	84	-33.492	22.741	24.541	1.00	9.78
ATOM	606	O	GLY	84	-32.796	22.177	25.384	1.00	10.83
ATOM	607	N	TYR	85	-34.104	23.875	24.825	1.00	10.88

Fig. 2
SUBSTITUTE SHEET (RULE 26)

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Cont. Fig 2

ATOM	608	OH	TYR	85	-28.004	24.555	24.203	1.00	18.98
ATOM	609	CD2	TYR	85	-31.561	25.395	24.068	1.00	12.07
ATOM	610	CE2	TYR	85	-30.266	25.023	23.693	1.00	13.73
ATOM	611	CZ	TYR	85	-29.263	24.890	24.644	1.00	15.05
ATOM	612	CE1	TYR	85	-29.519	25.081	26.012	1.00	12.94
ATOM	613	CD1	TYR	85	-30.826	25.421	26.395	1.00	12.96
ATOM	614	CG	TYR	85	-31.850	25.570	25.445	1.00	11.64
ATOM	615	CB	TYR	85	-33.264	25.866	25.882	1.00	10.50
ATOM	616	CA	TYR	85	-34.079	24.539	26.116	1.00	10.86
ATOM	617	C	TYR	85	-35.418	25.002	26.674	1.00	13.82
ATOM	618	O	TYR	85	-36.268	25.491	25.854	1.00	14.41
ATOM	619	N	ALA	86	-35.569	24.891	27.969	1.00	9.86
ATOM	620	CB	ALA	86	-37.046	24.630	29.971	1.00	9.75
ATOM	621	CA	ALA	86	-36.735	25.425	28.695	1.00	11.67
ATOM	622	C	ALA	86	-36.361	26.918	28.958	1.00	11.87
ATOM	623	O	ALA	86	-35.188	27.341	28.972	1.00	9.92
ATOM	624	N	THR	87	-37.345	27.829	29.131	1.00	10.43
ATOM	625	CG2	THR	87	-36.841	29.875	26.861	1.00	17.11
ATOM	626	OG1	THR	87	-38.959	29.934	28.083	1.00	17.19
ATOM	627	CB	THR	87	-37.539	30.174	28.200	1.00	17.24
ATOM	628	CA	THR	87	-37.057	29.241	29.379	1.00	10.64
ATOM	629	C	THR	87	-37.640	29.593	30.724	1.00	11.34
ATOM	630	O	THR	87	-38.696	29.055	31.041	1.00	13.09
ATOM	631	N	VAL	88	-37.001	30.448	31.521	1.00	10.66
ATOM	632	CA	VAL	88	-37.441	30.863	32.856	1.00	9.45
ATOM	633	C	VAL	88	-38.255	32.155	32.696	1.00	11.88
ATOM	634	O	VAL	88	-37.698	33.094	32.136	1.00	10.63
ATOM	635	CB	VAL	88	-36.246	31.053	33.821	1.00	7.00
ATOM	636	CG1	VAL	88	-36.652	31.636	35.192	1.00	5.32
ATOM	637	CG2	VAL	88	-35.478	29.746	33.985	1.00	9.05
ATOM	638	N	ALA	89	-39.467	32.233	33.201	1.00	10.89
ATOM	639	CB	ALA	89	-41.539	33.201	32.260	1.00	9.11
ATOM	640	CA	ALA	89	-40.325	33.440	33.132	1.00	11.01
ATOM	641	C	ALA	89	-40.690	33.918	34.548	1.00	11.13
ATOM	642	O	ALA	89	-41.242	35.028	34.655	1.00	13.90
ATOM	643	N	GLY	90	-40.351	33.181	35.617	1.00	9.54
ATOM	644	CA	GLY	90	-40.632	33.592	36.976	1.00	8.75
ATOM	645	C	GLY	90	-40.322	32.409	37.921	1.00	10.19
ATOM	646	O	GLY	90	-39.660	31.477	37.500	1.00	9.62
ATOM	647	N	HIS	91	-40.857	32.540	39.135	1.00	11.81
ATOM	648	CD2	HIS	91	-40.073	33.404	43.018	1.00	18.32
ATOM	649	NE2	HIS	91	-40.052	34.763	43.177	1.00	17.97
ATOM	650	CE1	HIS	91	-39.622	35.366	42.127	1.00	17.17
ATOM	651	ND1	HIS	91	-39.350	34.411	41.259	1.00	16.07
ATOM	652	CG	HIS	91	-39.605	33.184	41.765	1.00	16.04
ATOM	653	CB	HIS	91	-39.411	31.883	41.060	1.00	11.82
ATOM	654	CA	HIS	91	-40.637	31.530	40.180	1.00	10.58
ATOM	655	C	HIS	91	-41.854	31.229	41.025	1.00	12.38
ATOM	656	O	HIS	91	-41.723	31.032	42.248	1.00	13.11
ATOM	657	N	ASN	92	-43.013	31.126	40.369	1.00	12.16
ATOM	658	ND2	ASN	92	-46.608	32.760	41.360	1.00	44.37
ATOM	659	OD1	ASN	92	-45.564	33.225	39.385	1.00	40.52
ATOM	660	CG	ASN	92	-45.903	32.418	40.259	1.00	35.33
ATOM	661	CB	ASN	92	-45.524	30.938	40.252	1.00	23.82

Fig. 2
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Cont. Fig 2

ATOM	662	CA	ASN	92	-44.261	30.746	41.119	1.00	13.35
ATOM	663	C	ASN	92	-44.164	29.268	41.493	1.00	12.66
ATOM	664	O	ASN	92	-43.930	28.437	40.582	1.00	11.76
ATOM	665	N	GLN	93	-44.364	28.935	42.749	1.00	11.08
ATOM	666	NE2	GLN	93	-42.340	27.432	47.693	1.00	21.50
ATOM	667	OE1	GLN	93	-44.559	27.501	47.458	1.00	31.26
ATOM	668	CD	GLN	93	-43.422	27.632	46.972	1.00	27.63
ATOM	669	CG	GLN	93	-43.291	28.002	45.511	1.00	20.72
ATOM	670	CB	GLN	93	-44.409	27.379	44.700	1.00	15.24
ATOM	671	CA	GLN	93	-44.262	27.516	43.171	1.00	12.74
ATOM	672	C	GLN	93	-45.394	26.705	42.566	1.00	13.82
ATOM	673	O	GLN	93	-46.572	27.162	42.672	1.00	15.94
ATOM	674	N	ALA	94	-45.166	25.549	42.048	1.00	11.74
ATOM	675	CA	ALA	94	-46.178	24.676	41.481	1.00	11.41
ATOM	676	C	ALA	94	-46.815	23.934	42.649	1.00	14.20
ATOM	677	O	ALA	94	-46.120	23.587	43.637	1.00	14.08
ATOM	678	CB	ALA	94	-45.495	23.704	40.529	1.00	6.58
ATOM	679	N	PRO	95	-48.112	23.645	42.551	1.00	14.96
ATOM	680	CG	PRO	95	-50.259	23.275	41.661	1.00	15.96
ATOM	681	CD	PRO	95	-48.954	24.020	41.412	1.00	15.38
ATOM	682	CB	PRO	95	-50.261	22.810	43.087	1.00	13.99
ATOM	683	CA	PRO	95	-48.815	22.843	43.571	1.00	13.77
ATOM	684	C	PRO	95	-48.308	21.414	43.670	1.00	12.85
ATOM	685	O	PRO	95	-47.789	20.722	42.764	1.00	13.21
ATOM	686	N	ILE	96	-48.439	20.860	44.892	1.00	9.64
ATOM	687	CD1	ILE	96	-46.305	19.698	47.937	1.00	20.39
ATOM	688	CG1	ILE	96	-47.785	19.940	47.690	1.00	17.20
ATOM	689	CB	ILE	96	-48.425	19.023	46.634	1.00	13.72
ATOM	690	CG2	ILE	96	-48.131	17.530	46.952	1.00	17.91
ATOM	691	CA	ILE	96	-48.058	19.444	45.141	1.00	11.51
ATOM	692	C	ILE	96	-48.841	18.627	44.138	1.00	13.14
ATOM	693	O	ILE	96	-50.052	18.979	43.880	1.00	15.21
ATOM	694	N	GLY	97	-48.332	17.575	43.528	1.00	10.18
ATOM	695	CA	GLY	97	-49.020	16.783	42.537	1.00	9.00
ATOM	696	C	GLY	97	-48.645	17.200	41.126	1.00	11.33
ATOM	697	O	GLY	97	-48.867	16.374	40.221	1.00	12.32
ATOM	698	N	SER	98	-48.108	18.393	40.935	1.00	10.97
ATOM	699	OG	SER	98	-48.122	21.262	40.073	0.70	15.96
ATOM	700	CB	SER	98	-47.149	20.355	39.724	0.70	13.01
ATOM	703	CA	SER	98	-47.643	18.918	39.637	1.00	11.70
ATOM	704	C	SER	98	-46.376	18.198	39.140	1.00	11.01
ATOM	705	O	SER	98	-45.567	17.708	39.906	1.00	12.53
ATOM	706	N	SER	99	-46.203	18.149	37.825	1.00	8.54
ATOM	707	OG	SER	99	-45.372	18.423	34.957	1.00	12.93
ATOM	708	CB	SER	99	-45.157	17.258	35.747	1.00	7.78
ATOM	709	CA	SER	99	-45.010	17.562	37.226	1.00	8.54
ATOM	710	C	SER	99	-43.921	18.659	37.391	1.00	7.90
ATOM	711	O	SER	99	-44.195	19.884	37.534	1.00	10.31
ATOM	712	N	VAL	100	-42.675	18.231	37.384	1.00	9.21
ATOM	713	CA	VAL	100	-41.468	19.082	37.505	1.00	5.59
ATOM	714	C	VAL	100	-40.375	18.343	36.773	1.00	5.35
ATOM	715	O	VAL	100	-40.380	17.108	36.785	1.00	9.03
ATOM	716	CB	VAL	100	-41.112	19.395	38.979	1.00	5.88
ATOM	717	CG1	VAL	100	-40.630	18.114	39.670	1.00	8.61

Fig. 2
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Cont. Fig 2

ATOM	718	CG2	VAL	100	-40.142	20.579	39.127	1.00	5.24
ATOM	719	N	CYS	101	-39.423	19.055	36.168	1.00	5.24
ATOM	720	CA	CYS	101	-38.304	18.494	35.437	1.00	4.35
ATOM	721	C	CYS	101	-36.989	18.996	36.086	1.00	5.37
ATOM	722	O	CYS	101	-36.984	20.152	36.529	1.00	8.17
ATOM	723	CB	CYS	101	-38.312	18.824	33.935	1.00	5.99
ATOM	724	SG	CYS	101	-39.723	18.001	33.063	1.00	8.35
ATOM	725	N	ARG	102	-35.982	18.175	36.084	1.00	6.08
ATOM	726	CA	ARG	102	-34.649	18.527	36.587	1.00	7.57
ATOM	727	C	ARG	102	-33.605	18.534	35.462	1.00	8.71
ATOM	728	O	ARG	102	-33.604	17.647	34.598	1.00	8.00
ATOM	729	CB	ARG	102	-34.261	17.489	37.655	1.00	4.69
ATOM	730	CG	ARG	102	-32.859	17.784	38.286	1.00	3.27
ATOM	731	CD	ARG	102	-32.303	16.653	39.077	1.00	6.25
ATOM	732	NE	ARG	102	-32.250	15.402	38.343	1.00	7.04
ATOM	733	CZ	ARG	102	-31.471	15.083	37.294	1.00	9.62
ATOM	734	NH1	ARG	102	-31.692	13.864	36.773	1.00	9.55
ATOM	735	NH2	ARG	102	-30.608	15.953	36.805	1.00	5.91
ATOM	736	N	SER	103	-32.662	19.454	35.404	1.00	7.27
ATOM	737	CA	SER	103	-31.567	19.475	34.435	1.00	4.96
ATOM	738	C	SER	103	-30.259	19.365	35.228	1.00	6.42
ATOM	739	O	SER	103	-30.059	20.177	36.162	1.00	6.49
ATOM	740	CB	SER	103	-31.571	20.781	33.624	1.00	5.59
ATOM	741	OG	SER	103	-30.581	20.673	32.575	1.00	7.71
ATOM	742	N	GLY	104	-29.359	18.411	34.965	1.00	7.52
ATOM	743	CA	GLY	104	-28.071	18.282	35.661	1.00	5.92
ATOM	744	C	GLY	104	-27.031	17.745	34.686	1.00	6.41
ATOM	745	O	GLY	104	-27.354	17.083	33.665	1.00	7.09
ATOM	746	N	SER	105	-25.757	18.002	34.912	1.00	7.88
ATOM	747	OG	SER	105	-22.953	18.433	35.504	1.00	11.75
ATOM	748	CB	SER	105	-23.430	18.504	34.179	1.00	7.00
ATOM	749	CA	SER	105	-24.638	17.559	34.049	1.00	10.37
ATOM	750	C	SER	105	-24.255	16.085	34.102	1.00	10.06
ATOM	751	O	SER	105	-23.505	15.679	33.176	1.00	10.75
ATOM	752	N	THR	106	-24.719	15.248	35.018	1.00	9.74
ATOM	753	CA	THR	106	-24.403	13.811	35.029	1.00	9.92
ATOM	754	C	THR	106	-25.458	13.046	34.238	1.00	8.56
ATOM	755	O	THR	106	-25.079	12.174	33.464	1.00	10.42
ATOM	756	CB	THR	106	-24.322	13.103	36.435	1.00	10.71
ATOM	757	OG1	THR	106	-23.436	13.978	37.167	1.00	10.45
ATOM	758	CG2	THR	106	-23.782	11.671	36.508	1.00	6.76
ATOM	759	N	THR	107	-26.723	13.319	34.467	1.00	7.87
ATOM	760	CA	THR	107	-27.804	12.599	33.831	1.00	5.96
ATOM	761	C	THR	107	-28.634	13.349	32.838	1.00	7.88
ATOM	762	O	THR	107	-29.531	12.664	32.266	1.00	8.47
ATOM	763	CB	THR	107	-28.695	11.935	34.969	1.00	8.85
ATOM	764	OG1	THR	107	-29.241	13.086	35.695	1.00	7.24
ATOM	765	CG2	THR	107	-27.869	11.012	35.858	1.00	8.14
ATOM	766	N	GLY	108	-28.523	14.609	32.643	1.00	7.16
ATOM	767	CA	GLY	108	-29.341	15.323	31.611	1.00	8.94
ATOM	768	C	GLY	108	-30.668	15.756	32.223	1.00	10.50
ATOM	769	O	GLY	108	-30.722	16.175	33.436	1.00	8.98
ATOM	770	N	TRP	109	-31.691	15.642	31.408	1.00	6.52
ATOM	771	CD2	TRP	109	-35.413	18.684	30.968	1.00	5.39

Fig. 2
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Cont. Fig 2

ATOM	772	CE3	TRP	109	-34.790	19.728	31.656	1.00	5.67
ATOM	773	CZ3	TRP	109	-35.588	20.864	31.900	1.00	10.11
ATOM	774	CH2	TRP	109	-36.931	20.950	31.533	1.00	7.46
ATOM	775	CZ2	TRP	109	-37.555	19.912	30.864	1.00	5.36
ATOM	776	CE2	TRP	109	-36.762	18.789	30.603	1.00	8.40
ATOM	777	NE1	TRP	109	-37.097	17.619	29.964	1.00	11.33
ATOM	778	CD1	TRP	109	-35.996	16.771	29.909	1.00	8.89
ATOM	779	CG	TRP	109	-34.928	17.409	30.506	1.00	7.87
ATOM	780	CB	TRP	109	-33.558	16.856	30.594	1.00	4.08
ATOM	781	CA	TRP	109	-33.070	16.106	31.803	1.00	6.13
ATOM	782	C	TRP	109	-34.031	15.013	32.176	1.00	7.55
ATOM	783	O	TRP	109	-34.244	14.017	31.372	1.00	8.28
ATOM	784	N	HIS	110	-34.566	15.040	33.380	1.00	6.29
ATOM	785	CD2	HIS	110	-32.409	12.573	33.819	1.00	8.99
ATOM	786	NE2	HIS	110	-31.845	11.558	33.121	1.00	10.03
ATOM	787	CE1	HIS	110	-32.751	10.595	32.981	1.00	12.94
ATOM	788	ND1	HIS	110	-33.856	11.027	33.562	1.00	12.68
ATOM	789	CG	HIS	110	-33.678	12.246	34.128	1.00	9.92
ATOM	790	CB	HIS	110	-34.761	13.004	34.840	1.00	8.94
ATOM	791	CA	HIS	110	-35.487	13.971	33.861	1.00	7.82
ATOM	792	C	HIS	110	-36.648	14.637	34.584	1.00	7.74
ATOM	793	O	HIS	110	-36.444	15.708	35.190	1.00	8.03
ATOM	794	N	CYS	111	-37.832	13.990	34.506	1.00	7.77
ATOM	795	CA	CYS	111	-39.052	14.589	35.065	1.00	7.64
ATOM	796	C	CYS	111	-39.864	13.660	35.952	1.00	9.31
ATOM	797	O	CYS	111	-39.559	12.451	35.928	1.00	11.03
ATOM	798	CB	CYS	111	-39.988	15.100	33.925	1.00	9.61
ATOM	799	SG	CYS	111	-39.150	16.153	32.711	1.00	9.12
ATOM	800	N	GLY	112	-40.828	14.245	36.638	1.00	8.81
ATOM	801	CA	GLY	112	-41.625	13.408	37.597	1.00	8.51
ATOM	802	C	GLY	112	-42.521	14.315	38.399	1.00	10.25
ATOM	803	O	GLY	112	-42.794	15.437	37.941	1.00	12.04
ATOM	804	N	THR	113	-42.979	13.969	39.595	1.00	10.08
ATOM	805	CA	THR	113	-43.870	14.809	40.372	1.00	8.62
ATOM	806	C	THR	113	-43.359	15.387	41.685	1.00	9.71
ATOM	807	O	THR	113	-42.441	14.786	42.268	1.00	10.48
ATOM	808	CB	THR	113	-45.240	13.996	40.648	1.00	17.08
ATOM	809	OG1	THR	113	-44.930	12.755	41.340	1.00	19.10
ATOM	810	CG2	THR	113	-46.004	13.705	39.362	1.00	15.24
ATOM	811	N	ILE	114	-43.963	16.488	42.073	1.00	8.35
ATOM	812	CA	ILE	114	-43.662	17.108	43.365	1.00	9.73
ATOM	813	C	ILE	114	-44.554	16.338	44.383	1.00	13.59
ATOM	814	O	ILE	114	-45.816	16.336	44.198	1.00	12.54
ATOM	815	CB	ILE	114	-44.008	18.621	43.384	1.00	10.58
ATOM	816	CG1	ILE	114	-43.089	19.319	42.341	1.00	12.00
ATOM	817	CG2	ILE	114	-43.864	19.215	44.814	1.00	12.84
ATOM	818	CD1	ILE	114	-43.555	20.750	42.065	1.00	10.62
ATOM	819	N	GLN	115	-43.977	15.668	45.379	1.00	12.39
ATOM	820	NE2	GLN	115	-43.951	10.378	45.759	1.00	33.00
ATOM	821	OE1	GLN	115	-42.098	11.415	46.407	1.00	34.76
ATOM	822	CD	GLN	115	-43.243	11.496	45.943	1.00	30.30
ATOM	823	CG	GLN	115	-43.993	12.758	45.524	1.00	18.83
ATOM	824	CB	GLN	115	-44.077	13.606	46.811	1.00	11.43
ATOM	825	CA	GLN	115	-44.732	14.936	46.396	1.00	11.59

Fig. 2
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Cont. Fig 2

ATOM	826	C	GLN	115	-44.956	15.640	47.693	1.00	11.61
ATOM	827	O	GLN	115	-46.105	15.494	48.196	1.00	14.96
ATOM	828	N	ALA	116	-44.037	16.355	48.292	1.00	12.17
ATOM	829	CA	ALA	116	-44.291	16.976	49.618	1.00	10.65
ATOM	830	C	ALA	116	-43.263	18.055	49.863	1.00	9.88
ATOM	831	O	ALA	116	-42.162	17.978	49.326	1.00	13.41
ATOM	832	CB	ALA	116	-44.101	15.894	50.689	1.00	10.10
ATOM	833	N	ARG	117	-43.586	19.020	50.636	1.00	9.81
ATOM	834	NH2	ARG	117	-43.870	23.560	45.115	1.00	13.10
ATOM	835	NH1	ARG	117	-45.496	23.020	46.568	1.00	17.40
ATOM	836	CZ	ARG	117	-44.191	23.340	46.386	1.00	16.37
ATOM	837	NE	ARG	117	-43.268	23.465	47.330	1.00	14.91
ATOM	838	CD	ARG	117	-43.450	23.251	48.783	1.00	13.89
ATOM	839	CG	ARG	117	-43.323	21.801	49.092	1.00	10.78
ATOM	840	CB	ARG	117	-43.392	21.470	50.596	1.00	10.30
ATOM	841	CA	ARG	117	-42.725	20.137	50.983	1.00	10.62
ATOM	842	C	ARG	117	-42.465	20.023	52.496	1.00	12.42
ATOM	843	O	ARG	117	-43.122	19.229	53.201	1.00	14.36
ATOM	844	N	GLY	118	-41.566	20.803	52.999	1.00	10.94
ATOM	845	CA	GLY	118	-41.246	20.891	54.430	1.00	14.46
ATOM	846	C	GLY	118	-40.590	19.675	55.005	1.00	13.77
ATOM	847	O	GLY	118	-40.761	19.531	56.229	1.00	14.95
ATOM	848	N	GLN	119	-39.874	18.886	54.215	1.00	11.83
ATOM	849	NE2	GLN	119	-42.518	16.522	54.159	1.00	27.14
ATOM	850	OE1	GLN	119	-41.331	14.597	53.939	1.00	29.04
ATOM	851	CD	GLN	119	-41.505	15.779	53.683	1.00	26.05
ATOM	852	CG	GLN	119	-40.511	16.511	52.791	1.00	23.83
ATOM	853	CB	GLN	119	-39.161	16.633	53.499	1.00	15.28
ATOM	854	CA	GLN	119	-39.228	17.649	54.654	1.00	12.25
ATOM	855	C	GLN	119	-37.819	17.866	55.191	1.00	13.13
ATOM	856	O	GLN	119	-37.023	18.655	54.674	1.00	11.96
ATOM	857	N	SER	120	-37.520	17.136	56.272	1.00	12.77
ATOM	858	OG	SER	120	-36.874	16.674	59.024	0.50	13.43
ATOM	859	CB	SER	120	-36.074	17.591	58.330	0.50	15.06
ATOM	862	CA	SER	120	-36.147	17.234	56.873	1.00	11.79
ATOM	863	C	SER	120	-35.513	15.938	56.438	1.00	14.19
ATOM	864	O	SER	120	-36.167	14.855	56.352	1.00	14.17
ATOM	865	N	VAL	121	-34.228	16.035	56.037	1.00	14.53
ATOM	866	CG2	VAL	121	-34.392	15.445	53.235	1.00	20.02
ATOM	867	CG1	VAL	121	-32.537	13.814	53.494	1.00	22.53
ATOM	868	CB	VAL	121	-33.176	15.085	54.041	1.00	19.23
ATOM	869	CA	VAL	121	-33.466	14.920	55.565	1.00	14.60
ATOM	870	C	VAL	121	-32.106	14.892	56.248	1.00	17.85
ATOM	871	O	VAL	121	-31.399	15.890	56.335	1.00	16.78
ATOM	872	N	SER	122	-31.749	13.694	56.677	1.00	18.77
ATOM	873	OG	SER	122	-31.320	13.436	59.447	1.00	35.50
ATOM	874	CB	SER	122	-30.306	12.902	58.611	1.00	26.24
ATOM	875	CA	SER	122	-30.397	13.594	57.262	1.00	20.95
ATOM	876	C	SER	122	-29.504	12.911	56.238	1.00	20.78
ATOM	877	O	SER	122	-29.704	11.746	55.840	1.00	25.20
ATOM	878	N	TYR	123	-28.548	13.651	55.794	1.00	19.04
ATOM	879	CA	TYR	123	-27.479	13.164	54.927	1.00	21.72
ATOM	880	C	TYR	123	-26.478	12.615	55.995	1.00	25.29
ATOM	881	O	TYR	123	-26.521	13.015	57.187	1.00	26.53

Fig. 2
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Cont. Fig 2

ATOM	882	CB	TYR	123	-26.981	14.342	54.135	1.00	18.93
ATOM	883	CG	TYR	123	-27.915	14.920	53.100	1.00	18.61
ATOM	884	CD1	TYR	123	-27.849	16.273	52.784	1.00	15.70
ATOM	885	CD2	TYR	123	-28.840	14.144	52.381	1.00	21.00
ATOM	886	CE1	TYR	123	-28.658	16.844	51.808	1.00	15.37
ATOM	887	CE2	TYR	123	-29.712	14.700	51.423	1.00	18.34
ATOM	888	CZ	TYR	123	-29.581	16.067	51.133	1.00	16.62
ATOM	889	OH	TYR	123	-30.390	16.593	50.172	1.00	15.25
ATOM	890	N	PRO	124	-25.578	11.721	55.647	1.00	28.48
ATOM	891	CG	PRO	124	-24.105	10.334	54.354	1.00	32.40
ATOM	892	CD	PRO	124	-25.391	11.155	54.297	1.00	30.53
ATOM	893	CB	PRO	124	-23.748	10.168	55.828	1.00	32.32
ATOM	894	CA	PRO	124	-24.583	11.183	56.598	1.00	31.44
ATOM	895	C	PRO	124	-23.732	12.285	57.226	1.00	32.68
ATOM	896	O	PRO	124	-23.355	12.124	58.408	1.00	33.64
ATOM	897	N	GLU	125	-23.417	13.329	56.485	1.00	32.09
ATOM	898	CA	GLU	125	-22.646	14.515	56.843	1.00	32.45
ATOM	899	C	GLU	125	-23.410	15.484	57.766	1.00	33.22
ATOM	900	O	GLU	125	-22.932	15.954	58.861	1.00	33.87
ATOM	901	CB	GLU	125	-22.144	15.220	55.588	1.00	28.10
ATOM	902	CG	GLU	125	-22.899	15.278	54.299	1.00	34.56
ATOM	903	CD	GLU	125	-23.341	14.605	53.384	0.00	53.35
ATOM	904	OE1	GLU	125	-23.517	15.100	52.231	0.00	59.96
ATOM	905	OE2	GLU	125	-23.156	13.352	53.591	0.00	58.46
ATOM	906	N	GLY	126	-24.666	15.793	57.397	1.00	31.75
ATOM	907	CA	GLY	126	-25.549	16.682	58.182	1.00	28.35
ATOM	908	C	GLY	126	-27.017	16.695	57.720	1.00	25.07
ATOM	909	O	GLY	126	-27.393	16.107	56.682	1.00	25.93
ATOM	910	N	THR	127	-27.811	17.417	58.486	1.00	19.30
ATOM	911	CG2	THR	127	-31.485	17.638	59.616	1.00	15.49
ATOM	912	OG1	THR	127	-29.548	16.190	60.199	1.00	22.50
ATOM	913	CB	THR	127	-29.964	17.487	59.664	1.00	14.93
ATOM	914	CA	THR	127	-29.242	17.558	58.256	1.00	13.91
ATOM	915	C	THR	127	-29.689	18.791	57.491	1.00	11.25
ATOM	916	O	THR	127	-29.203	19.885	57.803	1.00	10.59
ATOM	917	N	VAL	128	-30.649	18.626	56.584	1.00	11.18
ATOM	918	CA	VAL	128	-31.201	19.747	55.791	1.00	9.77
ATOM	919	C	VAL	128	-32.688	19.787	56.164	1.00	8.45
ATOM	920	O	VAL	128	-33.182	18.697	56.393	1.00	11.45
ATOM	921	CB	VAL	128	-30.956	19.633	54.298	1.00	7.25
ATOM	922	CG1	VAL	128	-29.466	19.790	54.013	1.00	11.55
ATOM	923	CG2	VAL	128	-31.377	18.285	53.735	1.00	9.36
ATOM	924	N	THR	129	-33.266	20.960	56.248	1.00	9.49
ATOM	925	CG2	THR	129	-34.182	21.202	59.125	1.00	18.71
ATOM	926	OG1	THR	129	-34.282	23.173	57.758	1.00	14.40
ATOM	927	CB	THR	129	-34.884	21.913	57.959	1.00	8.96
ATOM	928	CA	THR	129	-34.680	21.088	56.613	1.00	9.66
ATOM	929	C	THR	129	-35.407	21.804	55.487	1.00	10.11
ATOM	930	O	THR	129	-34.796	22.467	54.615	1.00	10.92
ATOM	931	N	ASN	130	-36.709	21.619	55.563	1.00	10.84
ATOM	932	ND2	ASN	130	-38.570	25.717	53.765	1.00	35.10
ATOM	933	OD1	ASN	130	-39.854	23.969	54.369	1.00	28.19
ATOM	934	CG	ASN	130	-38.739	24.527	54.362	1.00	30.11
ATOM	935	CB	ASN	130	-37.496	23.827	54.952	1.00	17.09

Fig. 2
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Cont. Fig 2

ATOM	936	CA	ASN	130	-37.620	22.299	54.616	1.00	12.34
ATOM	937	C	ASN	130	-37.388	21.988	53.136	1.00	11.59
ATOM	938	O	ASN	130	-37.557	22.883	52.268	1.00	11.46
ATOM	939	N	MET	131	-37.056	20.742	52.880	1.00	9.76
ATOM	940	CE	MET	131	-33.020	20.248	50.187	1.00	16.57
ATOM	941	SD	MET	131	-33.597	21.082	51.629	1.00	20.94
ATOM	942	CG	MET	131	-34.411	19.573	52.379	1.00	9.59
ATOM	943	CB	MET	131	-35.664	19.199	51.580	1.00	5.73
ATOM	944	CA	MET	131	-36.732	20.297	51.529	1.00	9.93
ATOM	945	C	MET	131	-38.007	19.797	50.840	1.00	9.00
ATOM	946	O	MET	131	-38.962	19.372	51.519	1.00	10.48
ATOM	947	N	THR	132	-37.995	19.869	49.527	1.00	8.82
ATOM	948	CA	THR	132	-39.129	19.393	48.710	1.00	5.72
ATOM	949	C	THR	132	-38.769	18.054	48.108	1.00	7.44
ATOM	950	O	THR	132	-37.719	17.850	47.428	1.00	9.83
ATOM	951	CB	THR	132	-39.497	20.516	47.675	1.00	6.44
ATOM	952	OG1	THR	132	-39.851	21.700	48.434	1.00	9.35
ATOM	953	CG2	THR	132	-40.681	20.100	46.737	1.00	7.59
ATOM	954	N	ARG	133	-39.640	17.061	48.306	1.00	4.85
ATOM	955	NH2	ARG	133	-42.116	12.875	51.526	1.00	39.69
ATOM	956	NH1	ARG	133	-43.846	11.985	50.304	1.00	32.03
ATOM	957	CZ	ARG	133	-42.539	12.272	50.397	1.00	36.90
ATOM	958	NE	ARG	133	-41.666	11.948	49.418	1.00	28.98
ATOM	959	CD	ARG	133	-40.253	12.204	49.398	1.00	20.06
ATOM	960	CG	ARG	133	-39.832	13.218	48.354	1.00	11.77
ATOM	961	CB	ARG	133	-40.079	14.660	48.801	1.00	6.59
ATOM	962	CA	ARG	133	-39.443	15.674	47.833	1.00	6.76
ATOM	963	C	ARG	133	-40.092	15.457	46.455	1.00	7.46
ATOM	964	O	ARG	133	-41.227	15.963	46.241	1.00	9.38
ATOM	965	N	THR	134	-39.360	14.793	45.552	1.00	9.68
ATOM	966	CG2	THR	134	-39.353	17.060	43.521	1.00	7.44
ATOM	967	OG1	THR	134	-38.110	15.030	42.788	1.00	8.17
ATOM	968	CB	THR	134	-39.392	15.603	43.141	1.00	8.74
ATOM	969	CA	THR	134	-39.921	14.565	44.202	1.00	8.24
ATOM	970	C	THR	134	-39.576	13.135	43.785	1.00	8.06
ATOM	971	O	THR	134	-38.694	12.518	44.396	1.00	9.92
ATOM	972	N	THR	135	-40.301	12.622	42.770	1.00	7.24
ATOM	973	CG2	THR	135	-42.463	10.541	42.733	1.00	12.10
ATOM	974	OG1	THR	135	-41.763	11.403	40.497	1.00	11.13
ATOM	975	CB	THR	135	-41.362	10.601	41.650	1.00	10.58
ATOM	976	CA	THR	135	-40.037	11.294	42.228	1.00	8.03
ATOM	977	C	THR	135	-38.974	11.340	41.147	1.00	7.98
ATOM	978	O	THR	135	-38.731	10.327	40.471	1.00	9.10
ATOM	979	N	VAL	136	-38.326	12.452	40.852	1.00	10.38
ATOM	980	CG2	VAL	136	-38.483	14.754	39.130	1.00	6.65
ATOM	981	CG1	VAL	136	-36.094	14.300	38.374	1.00	10.08
ATOM	982	CB	VAL	136	-37.136	14.096	39.495	1.00	9.89
ATOM	983	CA	VAL	136	-37.296	12.595	39.813	1.00	9.10
ATOM	984	C	VAL	136	-35.990	11.927	40.235	1.00	9.23
ATOM	985	O	VAL	136	-35.640	12.113	41.414	1.00	11.00
ATOM	986	N	CYS	137	-35.273	11.188	39.408	1.00	7.90
ATOM	987	CA	CYS	137	-33.997	10.564	39.780	1.00	8.61
ATOM	988	C	CYS	137	-32.841	11.600	39.681	1.00	9.07
ATOM	989	O	CYS	137	-33.024	12.659	39.015	1.00	9.87

Fig. 2
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Cont. Fig 2

ATOM	990	CB	CYS	137	-33.702	9.452	38.761	1.00	8.35
ATOM	991	SG	CYS	137	-33.425	10.011	37.031	1.00	11.68
ATOM	992	N	ALA	138	-31.687	11.330	40.300	1.00	7.09
ATOM	993	CB	ALA	138	-30.467	13.454	41.104	1.00	8.40
ATOM	994	CA	ALA	138	-30.503	12.207	40.220	1.00	8.25
ATOM	995	C	ALA	138	-29.294	11.352	40.568	1.00	8.58
ATOM	996	O	ALA	138	-29.409	10.287	41.211	1.00	10.28
ATOM	997	N	GLU	139	-28.105	11.803	40.178	1.00	9.17
ATOM	998	OE2	GLU	139	-27.880	7.597	37.175	1.00	10.81
ATOM	999	OE1	GLU	139	-25.864	8.348	37.135	1.00	10.87
ATOM	1000	CD	GLU	139	-26.946	8.270	37.673	1.00	12.62
ATOM	1001	CG	GLU	139	-27.289	9.053	38.912	1.00	10.79
ATOM	1002	CB	GLU	139	-26.414	10.298	39.196	1.00	8.09
ATOM	1003	CA	GLU	139	-26.818	11.099	40.431	1.00	9.02
ATOM	1004	C	GLU	139	-25.776	12.156	40.775	1.00	9.85
ATOM	1005	O	GLU	139	-25.966	13.362	40.507	1.00	9.59
ATOM	1006	N	PRO	140	-24.677	11.769	41.394	1.00	11.00
ATOM	1007	CG	PRO	140	-23.255	10.606	42.890	1.00	10.81
ATOM	1008	CD	PRO	140	-24.305	10.376	41.788	1.00	10.23
ATOM	1009	CB	PRO	140	-22.595	11.921	42.569	1.00	13.07
ATOM	1010	CA	PRO	140	-23.611	12.741	41.794	1.00	10.28
ATOM	1011	C	PRO	140	-23.095	13.561	40.611	1.00	9.93
ATOM	1012	O	PRO	140	-22.846	13.081	39.498	1.00	11.30
ATOM	1013	N	GLY	141	-23.015	14.865	40.884	1.00	7.17
ATOM	1014	CA	GLY	141	-22.596	15.857	39.927	1.00	7.59
ATOM	1015	C	GLY	141	-23.845	16.611	39.448	1.00	6.72
ATOM	1016	O	GLY	141	-23.742	17.715	38.907	1.00	7.49
ATOM	1017	N	ASP	142	-25.050	16.077	39.671	1.00	7.35
ATOM	1018	CA	ASP	142	-26.325	16.710	39.296	1.00	6.21
ATOM	1019	C	ASP	142	-26.663	17.752	40.369	1.00	5.40
ATOM	1020	O	ASP	142	-27.522	18.627	40.062	1.00	3.95
ATOM	1021	CB	ASP	142	-27.497	15.784	39.058	1.00	7.83
ATOM	1022	CG	ASP	142	-27.531	14.867	37.860	1.00	7.53
ATOM	1023	OD1	ASP	142	-28.075	13.736	37.908	1.00	7.92
ATOM	1024	OD2	ASP	142	-27.048	15.355	36.863	1.00	6.85
ATOM	1025	N	SER	143	-26.112	17.668	41.546	1.00	5.60
ATOM	1026	CA	SER	143	-26.422	18.670	42.589	1.00	5.95
ATOM	1027	C	SER	143	-26.287	20.098	42.102	1.00	7.22
ATOM	1028	O	SER	143	-25.328	20.407	41.346	1.00	7.03
ATOM	1029	CB	SER	143	-25.451	18.527	43.777	1.00	7.47
ATOM	1030	OG	SER	143	-25.764	17.255	44.327	1.00	11.26
ATOM	1031	N	GLY	144	-27.206	20.956	42.571	1.00	5.35
ATOM	1032	CA	GLY	144	-27.301	22.370	42.249	1.00	5.48
ATOM	1033	C	GLY	144	-28.051	22.665	40.945	1.00	6.00
ATOM	1034	O	GLY	144	-28.334	23.858	40.698	1.00	7.24
ATOM	1035	N	GLY	145	-28.295	21.671	40.140	1.00	5.00
ATOM	1036	CA	GLY	145	-28.959	21.818	38.828	1.00	5.08
ATOM	1037	C	GLY	145	-30.400	22.272	38.981	1.00	6.80
ATOM	1038	O	GLY	145	-31.096	22.093	40.013	1.00	8.09
ATOM	1039	N	SER	146	-31.016	22.823	37.953	1.00	4.98
ATOM	1040	CA	SER	146	-32.375	23.344	37.961	1.00	4.54
ATOM	1041	C	SER	146	-33.561	22.389	38.160	1.00	5.95
ATOM	1042	O	SER	146	-33.513	21.305	37.566	1.00	6.69
ATOM	1043	CB	SER	146	-32.609	23.870	36.500	1.00	4.69

Fig. 2
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Cont. Fig 2

ATOM	1044	OG	SER	146	-31.487	24.440	35.945	1.00	7.80
ATOM	1045	N	TYR	147	-34.584	22.813	38.888	1.00	4.96
ATOM	1046	OH	TYR	147	-34.686	16.409	41.718	1.00	15.17
ATOM	1047	CD2	TYR	147	-36.809	19.212	40.614	1.00	8.25
ATOM	1048	CE2	TYR	147	-36.419	17.910	40.955	1.00	10.83
ATOM	1049	CZ	TYR	147	-35.130	17.695	41.413	1.00	13.00
ATOM	1050	CE1	TYR	147	-34.196	18.722	41.524	1.00	8.41
ATOM	1051	CD1	TYR	147	-34.601	20.028	41.200	1.00	7.28
ATOM	1052	CG	TYR	147	-35.885	20.262	40.762	1.00	6.98
ATOM	1053	CB	TYR	147	-36.258	21.677	40.422	1.00	5.48
ATOM	1054	CA	TYR	147	-35.875	22.091	39.028	1.00	5.55
ATOM	1055	C	TYR	147	-36.829	23.167	38.409	1.00	6.41
ATOM	1056	O	TYR	147	-36.859	24.306	38.918	1.00	6.54
ATOM	1057	N	ILE	148	-37.559	22.845	37.365	1.00	5.67
ATOM	1058	CA	ILE	148	-38.454	23.821	36.710	1.00	6.64
ATOM	1059	C	ILE	148	-39.776	23.154	36.317	1.00	6.20
ATOM	1060	O	ILE	148	-39.743	21.993	35.834	1.00	6.60
ATOM	1061	CB	ILE	148	-37.661	24.408	35.475	1.00	8.25
ATOM	1062	CG1	ILE	148	-38.445	25.567	34.843	1.00	10.19
ATOM	1063	CG2	ILE	148	-37.269	23.309	34.443	1.00	11.02
ATOM	1064	CD1	ILE	148	-37.739	26.438	33.738	1.00	11.12
ATOM	1065	N	SER	149	-40.878	23.912	36.472	1.00	6.67
ATOM	1066	OG	SER	149	-42.874	22.350	38.136	1.00	15.36
ATOM	1067	CB	SER	149	-43.209	23.415	37.231	1.00	9.17
ATOM	1068	CA	SER	149	-42.219	23.396	36.098	1.00	7.08
ATOM	1069	C	SER	149	-42.712	24.364	35.000	1.00	7.85
ATOM	1070	O	SER	149	-43.087	25.496	35.341	1.00	8.98
ATOM	1071	N	GLY	150	-42.632	23.897	33.754	1.00	10.00
ATOM	1072	CA	GLY	150	-43.066	24.798	32.663	1.00	11.86
ATOM	1073	C	GLY	150	-41.990	25.883	32.482	1.00	8.97
ATOM	1074	O	GLY	150	-40.850	25.591	32.148	1.00	12.79
ATOM	1075	N	THR	151	-42.463	27.096	32.745	1.00	9.09
ATOM	1076	CG2	THR	151	-42.428	29.087	30.347	1.00	13.40
ATOM	1077	OG1	THR	151	-43.398	29.844	32.497	1.00	13.13
ATOM	1078	CB	THR	151	-42.170	29.426	31.816	1.00	11.88
ATOM	1079	CA	THR	151	-41.527	28.257	32.661	1.00	10.61
ATOM	1080	C	THR	151	-41.196	28.758	34.085	1.00	9.76
ATOM	1081	O	THR	151	-40.553	29.810	34.179	1.00	10.13
ATOM	1082	N	GLN	152	-41.628	28.099	35.157	1.00	6.87
ATOM	1083	CA	GLN	152	-41.440	28.600	36.494	1.00	7.20
ATOM	1084	C	GLN	152	-40.304	27.909	37.266	1.00	8.56
ATOM	1085	O	GLN	152	-40.488	26.681	37.461	1.00	12.38
ATOM	1086	CB	GLN	152	-42.770	28.493	37.286	1.00	6.03
ATOM	1087	CG	GLN	152	-43.935	29.238	36.607	1.00	9.11
ATOM	1088	CD	GLN	152	-43.668	30.705	36.459	1.00	7.44
ATOM	1089	OE1	GLN	152	-43.411	31.422	37.422	1.00	11.18
ATOM	1090	NE2	GLN	152	-43.686	31.229	35.247	1.00	15.32
ATOM	1091	N	ALA	153	-39.288	28.691	37.696	1.00	7.16
ATOM	1092	CA	ALA	153	-38.166	28.065	38.442	1.00	6.99
ATOM	1093	C	ALA	153	-38.696	27.572	39.786	1.00	6.78
ATOM	1094	O	ALA	153	-39.432	28.329	40.450	1.00	8.03
ATOM	1095	CB	ALA	153	-37.062	29.133	38.567	1.00	6.81
ATOM	1096	N	GLN	154	-38.383	26.349	40.198	1.00	4.41
ATOM	1097	CA	GLN	154	-38.827	25.782	41.460	1.00	6.90

Fig. 2
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Cont. Fig 2

ATOM	1098	C	GLN	154	-37.692	25.687	42.494	1.00	7.22
ATOM	1099	O	GLN	154	-37.931	26.098	43.640	1.00	7.22
ATOM	1100	CB	GLN	154	-39.459	24.374	41.221	1.00	6.12
ATOM	1101	CG	GLN	154	-40.644	24.402	40.211	1.00	6.24
ATOM	1102	CD	GLN	154	-41.732	25.321	40.671	1.00	9.04
ATOM	1103	OE1	GLN	154	-42.271	25.234	41.795	1.00	9.56
ATOM	1104	NE2	GLN	154	-42.164	26.267	39.859	1.00	4.50
ATOM	1105	N	GLY	155	-36.547	25.153	42.078	1.00	7.56
ATOM	1106	CA	GLY	155	-35.475	24.954	43.098	1.00	7.31
ATOM	1107	C	GLY	155	-34.202	24.370	42.501	1.00	7.69
ATOM	1108	O	GLY	155	-34.029	24.335	41.280	1.00	7.17
ATOM	1109	N	VAL	156	-33.252	24.073	43.370	1.00	6.91
ATOM	1110	CA	VAL	156	-31.925	23.515	42.968	1.00	7.24
ATOM	1111	C	VAL	156	-31.760	22.136	43.631	1.00	5.91
ATOM	1112	O	VAL	156	-32.096	21.942	44.815	1.00	6.78
ATOM	1113	CB	VAL	156	-30.786	24.527	43.154	1.00	6.19
ATOM	1114	CG1	VAL	156	-31.048	25.862	42.407	1.00	5.61
ATOM	1115	CG2	VAL	156	-30.409	24.754	44.616	1.00	8.17
ATOM	1116	N	THR	157	-31.186	21.164	42.911	1.00	3.82
ATOM	1117	CG2	THR	157	-30.184	17.395	42.515	1.00	4.16
ATOM	1118	OG1	THR	157	-30.991	19.138	41.073	1.00	8.01
ATOM	1119	CB	THR	157	-30.243	18.893	42.293	1.00	3.37
ATOM	1120	CA	THR	157	-30.971	19.799	43.383	1.00	4.97
ATOM	1121	C	THR	157	-30.083	19.754	44.627	1.00	5.89
ATOM	1122	O	THR	157	-28.979	20.281	44.589	1.00	5.74
ATOM	1123	N	SER	158	-30.588	19.070	45.635	1.00	5.99
ATOM	1124	CA	SER	158	-29.830	18.914	46.876	1.00	7.64
ATOM	1125	C	SER	158	-29.316	17.473	46.969	1.00	10.26
ATOM	1126	O	SER	158	-28.087	17.229	47.132	1.00	10.04
ATOM	1127	CB	SER	158	-30.619	19.304	48.134	1.00	8.30
ATOM	1128	OG	SER	158	-29.853	18.975	49.296	1.00	9.39
ATOM	1129	N	GLY	159	-30.150	16.443	46.900	1.00	9.83
ATOM	1130	CA	GLY	159	-29.635	15.060	47.040	1.00	9.90
ATOM	1131	C	GLY	159	-30.756	14.048	47.006	1.00	12.82
ATOM	1132	O	GLY	159	-31.878	14.478	46.680	1.00	13.31
ATOM	1133	N	GLY	160	-30.510	12.792	47.352	1.00	12.00
ATOM	1134	CA	GLY	160	-31.646	11.846	47.257	1.00	12.56
ATOM	1135	C	GLY	160	-31.091	10.410	47.219	1.00	15.35
ATOM	1136	O	GLY	160	-29.988	10.197	47.741	1.00	15.70
ATOM	1137	N	SER	161	-31.869	9.497	46.679	1.00	13.10
ATOM	1138	OG	SER	161	-33.410	7.381	47.752	1.00	18.73
ATOM	1139	CB	SER	161	-31.996	7.324	47.833	1.00	16.84
ATOM	1140	CA	SER	161	-31.379	8.089	46.671	1.00	14.66
ATOM	1141	C	SER	161	-31.670	7.448	45.325	1.00	13.50
ATOM	1142	O	SER	161	-32.491	8.066	44.640	1.00	13.10
ATOM	1143	N	GLY	162	-31.078	6.310	45.040	1.00	11.84
ATOM	1144	CA	GLY	162	-31.318	5.641	43.734	1.00	12.53
ATOM	1145	C	GLY	162	-30.457	6.331	42.672	1.00	12.12
ATOM	1146	O	GLY	162	-29.545	7.088	42.957	1.00	11.79
ATOM	1147	N	ASN	163	-30.786	6.068	41.407	1.00	10.66
ATOM	1148	CA	ASN	163	-30.058	6.588	40.269	1.00	8.29
ATOM	1149	C	ASN	163	-31.033	6.671	39.088	1.00	11.02
ATOM	1150	O	ASN	163	-32.220	6.293	39.233	1.00	10.33
ATOM	1151	CB	ASN	163	-28.827	5.741	39.950	1.00	10.88

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Cont. Fig 2

ATOM	1152	CG	ASN	163	-29.238	4.312	39.578	1.00	14.23
ATOM	1153	OD1	ASN	163	-29.966	3.979	38.660	1.00	11.31
ATOM	1154	ND2	ASN	163	-28.649	3.362	40.334	1.00	18.48
ATOM	1155	N	CYS	164	-30.499	7.132	37.956	1.00	10.86
ATOM	1156	CA	CYS	164	-31.420	7.271	36.806	1.00	11.83
ATOM	1157	C	CYS	164	-31.687	6.006	35.998	1.00	13.69
ATOM	1158	O	CYS	164	-32.428	6.145	34.993	1.00	15.15
ATOM	1159	CB	CYS	164	-31.100	8.500	35.971	1.00	10.31
ATOM	1160	SG	CYS	164	-31.448	10.097	36.795	1.00	9.57
ATOM	1161	N	ARG	165	-31.110	4.919	36.364	1.00	11.68
ATOM	1162	NH2	ARG	165	-26.089	2.173	38.339	1.00	59.15
ATOM	1163	NH1	ARG	165	-25.617	4.096	37.196	1.00	58.35
ATOM	1164	CZ	ARG	165	-26.258	2.909	37.212	1.00	55.39
ATOM	1165	NE	ARG	165	-27.054	2.356	36.310	1.00	47.93
ATOM	1166	CD	ARG	165	-27.631	2.632	35.037	1.00	40.44
ATOM	1167	CG	ARG	165	-28.933	3.381	34.944	1.00	31.56
ATOM	1168	CB	ARG	165	-30.065	2.765	35.785	1.00	18.33
ATOM	1169	CA	ARG	165	-31.324	3.621	35.703	1.00	17.34
ATOM	1170	C	ARG	165	-32.498	2.928	36.433	1.00	14.57
ATOM	1171	O	ARG	165	-33.499	2.588	35.782	1.00	15.39
ATOM	1172	N	THR	166	-32.347	2.784	37.751	1.00	12.62
ATOM	1173	CG2	THR	166	-31.557	0.620	39.350	1.00	18.19
ATOM	1174	OG1	THR	166	-32.296	2.562	40.679	1.00	17.67
ATOM	1175	CB	THR	166	-32.716	1.474	39.795	1.00	16.75
ATOM	1176	CA	THR	166	-33.407	2.140	38.540	1.00	13.18
ATOM	1177	C	THR	166	-34.528	3.049	39.012	1.00	15.18
ATOM	1178	O	THR	166	-35.581	2.528	39.436	1.00	16.50
ATOM	1179	N	GLY	167	-34.296	4.347	39.040	1.00	13.17
ATOM	1180	CA	GLY	167	-35.255	5.345	39.536	1.00	13.42
ATOM	1181	C	GLY	167	-34.815	5.663	40.997	1.00	14.50
ATOM	1182	O	GLY	167	-33.957	4.993	41.596	1.00	13.35
ATOM	1183	N	GLY	168	-35.330	6.773	41.562	1.00	14.99
ATOM	1184	CA	GLY	168	-34.923	7.118	42.940	1.00	12.40
ATOM	1185	C	GLY	168	-35.852	8.241	43.371	1.00	15.29
ATOM	1186	O	GLY	168	-36.909	8.509	42.754	1.00	14.71
ATOM	1187	N	THR	169	-35.422	8.845	44.471	1.00	14.65
ATOM	1188	CG2	THR	169	-37.341	10.701	47.345	1.00	11.85
ATOM	1189	OG1	THR	169	-37.698	8.540	46.281	1.00	16.91
ATOM	1190	CB	THR	169	-36.711	9.582	46.529	1.00	14.83
ATOM	1191	CA	THR	169	-36.177	9.973	45.077	1.00	13.13
ATOM	1192	C	THR	169	-35.165	11.121	45.248	1.00	11.43
ATOM	1193	O	THR	169	-34.007	10.807	45.611	1.00	11.62
ATOM	1194	N	THR	170	-35.621	12.315	44.946	1.00	8.52
ATOM	1195	CG2	THR	170	-33.232	12.956	43.075	1.00	6.44
ATOM	1196	OG1	THR	170	-35.355	14.161	43.068	1.00	19.35
ATOM	1197	CB	THR	170	-34.090	13.942	43.798	1.00	12.63
ATOM	1198	CA	THR	170	-34.667	13.406	45.165	1.00	8.99
ATOM	1199	C	THR	170	-35.363	14.555	45.880	1.00	11.07
ATOM	1200	O	THR	170	-36.582	14.758	45.736	1.00	12.91
ATOM	1201	N	PHE	171	-34.531	15.291	46.609	1.00	9.07
ATOM	1202	CD2	PHE	171	-36.450	15.430	50.154	1.00	12.37
ATOM	1203	CE2	PHE	171	-37.017	14.281	50.750	1.00	12.72
ATOM	1204	CZ	PHE	171	-36.332	13.053	50.718	1.00	14.13
ATOM	1205	CE1	PHE	171	-35.064	12.901	50.136	1.00	11.85

Fig. 2

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Cont. Fig 2

ATOM	1206	CD1	PHE	171	-34.501	14.041	49.547	1.00	12.01
ATOM	1207	CG	PHE	171	-35.187	15.262	49.538	1.00	14.42
ATOM	1208	CB	PHE	171	-34.500	16.430	48.855	1.00	8.65
ATOM	1209	CA	PHE	171	-34.946	16.484	47.353	1.00	10.31
ATOM	1210	C	PHE	171	-34.276	17.746	46.736	1.00	9.69
ATOM	1211	O	PHE	171	-33.096	17.749	46.336	1.00	10.28
ATOM	1212	N	TYR	172	-35.022	18.818	46.721	1.00	6.76
ATOM	1213	OH	TYR	172	-40.405	22.042	43.789	1.00	10.33
ATOM	1214	CD2	TYR	172	-37.368	19.978	44.053	1.00	7.13
ATOM	1215	CE2	TYR	172	-38.680	20.393	43.754	1.00	9.56
ATOM	1216	CZ	TYR	172	-39.128	21.645	44.088	1.00	11.06
ATOM	1217	CE1	TYR	172	-38.255	22.544	44.740	1.00	7.89
ATOM	1218	CD1	TYR	172	-36.943	22.125	44.984	1.00	5.66
ATOM	1219	CG	TYR	172	-36.496	20.849	44.693	1.00	5.21
ATOM	1220	CB	TYR	172	-35.049	20.462	44.892	1.00	6.84
ATOM	1221	CA	TYR	172	-34.465	20.077	46.256	1.00	7.19
ATOM	1222	C	TYR	172	-34.711	21.217	47.245	1.00	6.71
ATOM	1223	O	TYR	172	-35.673	21.172	48.064	1.00	8.96
ATOM	1224	N	GLN	173	-33.781	22.185	47.157	1.00	5.53
ATOM	1225	NE2	GLN	173	-33.746	26.714	50.033	1.00	6.96
ATOM	1226	OE1	GLN	173	-32.289	25.169	50.891	1.00	10.23
ATOM	1227	CD	GLN	173	-32.795	25.753	49.933	1.00	9.42
ATOM	1228	CG	GLN	173	-32.411	25.493	48.482	1.00	3.75
ATOM	1229	CB	GLN	173	-32.463	24.037	48.054	1.00	8.35
ATOM	1230	CA	GLN	173	-33.883	23.428	47.962	1.00	5.17
ATOM	1231	C	GLN	173	-34.741	24.402	47.187	1.00	6.61
ATOM	1232	O	GLN	173	-34.469	24.693	45.967	1.00	7.86
ATOM	1233	N	GLU	174	-35.814	24.921	47.782	1.00	6.75
ATOM	1234	OE2	GLU	174	-40.122	25.837	46.396	1.00	8.25
ATOM	1235	OE1	GLU	174	-40.521	23.919	47.243	1.00	10.88
ATOM	1236	CD	GLU	174	-39.899	24.969	47.265	1.00	10.25
ATOM	1237	CG	GLU	174	-38.863	25.164	48.362	1.00	8.85
ATOM	1238	CB	GLU	174	-37.861	26.313	48.083	1.00	9.36
ATOM	1239	CA	GLU	174	-36.686	25.892	47.108	1.00	7.86
ATOM	1240	C	GLU	174	-35.933	27.178	46.774	1.00	8.69
ATOM	1241	O	GLU	174	-35.082	27.712	47.515	1.00	9.98
ATOM	1242	N	VAL	175	-36.198	27.769	45.591	1.00	8.61
ATOM	1243	CG2	VAL	175	-34.568	29.950	43.032	1.00	11.90
ATOM	1244	CG1	VAL	175	-36.989	29.512	42.968	1.00	13.78
ATOM	1245	CB	VAL	175	-35.652	29.062	43.589	1.00	13.52
ATOM	1246	CA	VAL	175	-35.605	29.022	45.144	1.00	8.03
ATOM	1247	C	VAL	175	-36.196	30.221	45.869	1.00	8.45
ATOM	1248	O	VAL	175	-35.453	31.199	46.161	1.00	8.96
ATOM	1249	N	THR	176	-37.454	30.220	46.297	1.00	9.06
ATOM	1250	CG2	THR	176	-40.371	32.282	47.869	1.00	18.26
ATOM	1251	OG1	THR	176	-40.343	30.692	46.091	1.00	18.82
ATOM	1252	CB	THR	176	-39.648	31.030	47.350	1.00	15.35
ATOM	1253	CA	THR	176	-38.133	31.355	46.965	1.00	10.08
ATOM	1254	C	THR	176	-37.370	32.053	48.082	1.00	12.75
ATOM	1255	O	THR	176	-37.203	33.295	48.105	1.00	12.78
ATOM	1256	N	PRO	177	-36.827	31.275	49.019	1.00	13.60
ATOM	1257	CA	PRO	177	-36.059	31.831	50.137	1.00	14.56
ATOM	1258	C	PRO	177	-34.832	32.550	49.634	1.00	14.53
ATOM	1259	O	PRO	177	-34.405	33.537	50.205	1.00	14.33

Fig. 2
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Cont. Fig 2

ATOM	1260	CB	PRO	177	-35.684	30.599	50.967	1.00	15.59
ATOM	1261	CG	PRO	177	-36.607	29.488	50.587	1.00	15.55
ATOM	1262	CD	PRO	177	-37.028	29.818	49.155	1.00	14.17
ATOM	1263	N	MET	178	-34.177	32.085	48.557	1.00	11.26
ATOM	1264	CE	MET	178	-31.755	28.533	46.007	1.00	19.72
ATOM	1265	SD	MET	178	-30.708	29.927	46.237	1.00	22.73
ATOM	1266	CG	MET	178	-31.639	30.737	47.651	1.00	17.28
ATOM	1267	CB	MET	178	-32.343	31.919	46.980	1.00	9.92
ATOM	1268	CA	MET	178	-32.991	32.789	48.077	1.00	11.19
ATOM	1269	C	MET	178	-33.372	34.163	47.572	1.00	14.99
ATOM	1270	O	MET	178	-32.631	35.161	47.724	1.00	16.24
ATOM	1271	N	VAL	179	-34.492	34.273	46.870	1.00	12.66
ATOM	1272	CG2	VAL	179	-35.871	34.516	44.214	1.00	11.56
ATOM	1273	CG1	VAL	179	-36.995	36.540	45.154	1.00	16.31
ATOM	1274	CB	VAL	179	-36.242	35.254	45.495	1.00	14.06
ATOM	1275	CA	VAL	179	-34.973	35.549	46.347	1.00	14.10
ATOM	1276	C	VAL	179	-35.411	36.462	47.516	1.00	17.87
ATOM	1277	O	VAL	179	-35.152	37.674	47.535	1.00	18.01
ATOM	1278	N	ASN	180	-36.139	35.872	48.451	1.00	17.87
ATOM	1279	ND2	ASN	180	-39.996	35.004	49.792	1.00	34.66
ATOM	1280	OD1	ASN	180	-39.173	36.590	48.442	1.00	26.20
ATOM	1281	CG	ASN	180	-39.030	35.860	49.435	1.00	27.22
ATOM	1282	CB	ASN	180	-37.798	35.850	50.334	1.00	22.46
ATOM	1283	CA	ASN	180	-36.683	36.628	49.576	1.00	21.81
ATOM	1284	C	ASN	180	-35.663	37.122	50.588	1.00	22.21
ATOM	1285	O	ASN	180	-35.786	38.276	51.007	1.00	25.30
ATOM	1286	N	SER	181	-34.775	36.258	50.952	1.00	20.13
ATOM	1287	OG	SER	181	-34.362	34.891	53.477	1.00	46.23
ATOM	1288	CB	SER	181	-33.268	35.230	52.620	1.00	29.26
ATOM	1289	CA	SER	181	-33.740	36.530	51.921	1.00	20.62
ATOM	1290	C	SER	181	-32.474	37.109	51.355	1.00	20.10
ATOM	1291	O	SER	181	-31.914	37.915	52.104	1.00	20.08
ATOM	1292	N	TRP	182	-32.042	36.665	50.186	1.00	17.06
ATOM	1293	CD2	TRP	182	-28.744	33.771	49.582	1.00	20.91
ATOM	1294	CE3	TRP	182	-28.470	33.240	48.331	1.00	15.11
ATOM	1295	CZ3	TRP	182	-27.853	31.999	48.269	1.00	15.36
ATOM	1296	CH2	TRP	182	-27.529	31.313	49.436	1.00	15.65
ATOM	1297	CZ2	TRP	182	-27.769	31.806	50.713	1.00	19.64
ATOM	1298	CE2	TRP	182	-28.381	33.057	50.742	1.00	24.59
ATOM	1299	NE1	TRP	182	-28.738	33.820	51.828	1.00	27.77
ATOM	1300	CD1	TRP	182	-29.323	34.986	51.373	1.00	29.42
ATOM	1301	CG	TRP	182	-29.377	35.009	50.004	1.00	22.91
ATOM	1302	CB	TRP	182	-29.884	36.098	49.127	1.00	20.07
ATOM	1303	CA	TRP	182	-30.771	37.210	49.681	1.00	14.46
ATOM	1304	C	TRP	182	-30.992	38.306	48.680	1.00	14.45
ATOM	1305	O	TRP	182	-30.007	38.974	48.321	1.00	16.23
ATOM	1306	N	GLY	183	-32.203	38.445	48.182	1.00	13.61
ATOM	1307	CA	GLY	183	-32.431	39.519	47.179	1.00	13.59
ATOM	1308	C	GLY	183	-31.864	39.105	45.800	1.00	12.98
ATOM	1309	O	GLY	183	-31.478	40.015	45.005	1.00	11.51
ATOM	1310	N	VAL	184	-31.805	37.788	45.559	1.00	12.12
ATOM	1311	CG2	VAL	184	-31.741	34.892	44.375	1.00	20.41
ATOM	1312	CG1	VAL	184	-29.458	35.739	44.931	1.00	20.83
ATOM	1313	CB	VAL	184	-30.729	35.966	44.088	1.00	14.52

Fig. 2
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Cont. Fig 2

ATOM	1314	CA	VAL	184	-31.288	37.397	44.216	1.00	13.35
ATOM	1315	C	VAL	184	-32.431	37.647	43.201	1.00	13.39
ATOM	1316	O	VAL	184	-33.619	37.490	43.538	1.00	13.79
ATOM	1317	N	ARG	185	-32.041	37.991	41.974	1.00	11.85
ATOM	1318	NH2	ARG	185	-31.382	44.754	43.270	1.00	30.49
ATOM	1319	NH1	ARG	185	-30.633	44.370	41.110	1.00	29.76
ATOM	1320	CZ	ARG	185	-31.320	43.982	42.177	1.00	30.81
ATOM	1321	NE	ARG	185	-31.986	42.816	42.217	1.00	27.27
ATOM	1322	CD	ARG	185	-31.978	41.937	41.036	1.00	23.48
ATOM	1323	CG	ARG	185	-32.959	40.840	41.410	1.00	19.17
ATOM	1324	CB	ARG	185	-32.789	39.732	40.349	1.00	14.23
ATOM	1325	CA	ARG	185	-32.980	38.274	40.869	1.00	11.15
ATOM	1326	C	ARG	185	-32.746	37.319	39.703	1.00	8.87
ATOM	1327	O	ARG	185	-31.721	37.472	39.065	1.00	8.01
ATOM	1328	N	LEU	186	-33.644	36.370	39.444	1.00	9.17
ATOM	1329	CA	LEU	186	-33.463	35.447	38.328	1.00	9.78
ATOM	1330	C	LEU	186	-33.503	36.225	36.995	1.00	10.75
ATOM	1331	O	LEU	186	-34.316	37.132	36.787	1.00	10.04
ATOM	1332	CB	LEU	186	-34.648	34.435	38.305	1.00	8.11
ATOM	1333	CG	LEU	186	-34.760	33.549	39.546	1.00	16.49
ATOM	1334	CD1	LEU	186	-35.699	32.375	39.276	1.00	14.66
ATOM	1335	CD2	LEU	186	-33.400	32.928	39.887	1.00	16.56
ATOM	1336	N	ARG	187	-32.652	35.750	36.102	1.00	7.79
ATOM	1337	NH2	ARG	187	-30.740	39.908	29.630	1.00	46.94
ATOM	1338	NH1	ARG	187	-29.232	39.169	31.188	1.00	49.29
ATOM	1339	CZ	ARG	187	-30.477	39.174	30.718	1.00	44.29
ATOM	1340	NE	ARG	187	-31.443	38.474	31.338	1.00	36.97
ATOM	1341	CD	ARG	187	-31.199	37.750	32.536	1.00	28.81
ATOM	1342	CG	ARG	187	-31.219	36.300	32.604	1.00	27.43
ATOM	1343	CB	ARG	187	-31.340	35.889	34.068	1.00	12.14
ATOM	1344	CA	ARG	187	-32.653	36.298	34.718	1.00	9.41
ATOM	1345	C	ARG	187	-33.901	35.672	34.023	1.00	10.55
ATOM	1346	O	ARG	187	-34.139	34.427	33.990	1.00	10.23
ATOM	1347	N	THR	188	-34.769	36.530	33.478	1.00	9.32
ATOM	1348	CA	THR	188	-35.996	36.175	32.723	1.00	10.52
ATOM	1349	C	THR	188	-35.889	36.694	31.263	1.00	11.51
ATOM	1350	O	THR	188	-34.786	37.058	30.810	1.00	10.45
ATOM	1351	CB	THR	188	-37.361	36.593	33.422	1.00	7.88
ATOM	1352	OG1	THR	188	-37.427	38.057	33.443	1.00	7.10
ATOM	1353	CG2	THR	188	-37.581	36.118	34.850	1.00	8.10
ATOM	1354	OXT	THR	188	-36.851	36.451	30.513	1.00	13.52

Fig. 2
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